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FISHERY INDUSTRIES OF THE UNITED STATES 1926

By OSCAR E. SETTE

DEPARTMENT OF COMMERCE
Bureau of Fisheries Document No. 1025

DEPARTMENT OF COMMERCE
BUREAU OF FISHERIES
HENRY O'MALLEY, Commissioner

FISHERY INDUSTRIES OF THE UNITED STATES 1926

By OSCAR E. SETTE
Assistant in Charge, Division of Fishery Industries

APPENDIX V TO THE REPORT OF THE U. S. COMMISSIONER OF FISHERIES FOR 1927

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By Oscar E. Sette

Assistant in Charge, Division of Fishery Industries

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REVIEW OF CONDITIONS IN THE FISHERY INDUSTRIES, 1926

According to the most recent statistics available for the various geographical sections of the United States and Alaska, the fisheries and fishery industries employ nearly 190,000 persons and property and equipment to the value of over $210,000,000. The annual sales of fishery products by fishermen amount to over 3,000,000,000 pounds, valued at nearly $109,000,000. The output of canned fishery products and by-products in 1926 was valued at more than $98,000,000. In the foreign trade of the United States the domestic exports of fishery products amounted to more than $20,000,000 and the imports for consumption were in excess of $50,000,000.

The year 1926 was one of continued growth of the fisheries. Vessel landings at New England ports were larger than in any previous year of which we have record, due largely to the greatly increased haddock and mackerel yields. The Seattle landings of fish also were increased, as compared with the previous year. The canning industry, with an unusually large pack in Alaska, produced fishery products with the highest value on record. The by-products industry was adversely affected by a failure in the menhaden supply, but other branches had a good output. In our foreign trade the imports were larger and the exports smaller than in the previous year, indicating some losses in foreign markets but an expansion in the domestic markets.

[1] Appendix V to the Report of the United States Commissioner of Fisheries for 1927. Bureau of Fisheries Doc. 1025.

Statistical summary of fisheries of the United States and Alaska

Sections	Persons engaged	Capital invested	Products	
	Number		*Pounds*	*Value*
New England States, 1924	24, 513	$28, 561, 824	406, 822, 165	$18, 818, 132
Middle Atlantic States, 1921–1925	53, 574	39, 821, 342	666, 137, 511	25, 615, 453
South Atlantic States, 1923	16, 298	8, 505, 259	228, 747, 930	5, 087, 340
Gulf States, 1923	17, 793	10, 535, 905	160, 324, 042	8, 096, 650
Pacific Coast States, 1925	22, 270	28, 651, 490	610, 993, 424	24, 580, 524
Mississippi River division, 1922	19, 122	7, 345, 034	105, 733, 734	4, 503, 521
Great Lakes, 1922	8, 039	12, 046, 458	108, 732, 443	6, 689, 611
Lake of the Woods and Rainy Lake, 1922	123	139, 955	1, 677, 999	110, 022
Alaska, 1926	28, 052	74, 557, 522	728, 185, 986	15, 179, 814
Total various years, 1921–1926	189, 784	210, 164, 789	3, 017, 355, 234	108, 681, 067

NOTE.—In the statistics for the Pacific Coast States in this table the persons and investment are for 1922 and the products are for 1925.

It has been apparent for some years that the greatest opportunity for progress in the fishery industries was in developing methods of bringing fresh fishery products to the consumer in the freshest possible condition. The development of fish filleting has been an important step in this direction, and during the past year the output of fillets has continued to increase. The methods of suitably freezing fillets and packaging frozen fillets and other frozen fish in such a way as to permit their distribution and sale in much the same way as other package goods have progressed and promise to have favorable effects on the fish trade. Carbon dioxide ice has been used on a commercial scale in shipping small and large quantities of frozen fish and doubtless will be found regularly useful for making shipments under certain conditions. Notwithstanding these improvements, there are many serious technological problems as yet unsolved. The most urgent of these is the necessity of keeping fish in a fresh, wholesome condition from the time the fishermen take it from the water until it reaches the consumer. Means of satisfactorily utilizing waste from market fishes need also to be found, and general improvements in the by-products industries are necessary if the industry is to maintain its existence.

The acute condition at present existing in the menhaden industry deserves mention. Severe losses have been suffered in this industry in recent years. They are due in part to the fluctuations in the supply of menhaden and in part to the lack of efficient technological processes in the industry. Nothing is more vital to an industry than its supply of raw materials, yet there is utter dearth of information on the abundance of menhaden. A biostatistical study of menhaden, such as is being made on the mackerel (see p. 339), is urgently needed. Such an investigation would give an understanding of the causes of scarcity or abundance of menhaden and permit us to foresee the supply from one year to the next. With such predictive information available, the losses in operation in a poor year could be minimized through reduction of operating expenses. With additional savings by means of increased efficiency in the technological process of reducing menhaden to meal and oil, it is believed that the industry, now in a precarious condition, might prosper. The serious condition in this industry, which produces quantities of valuable protein feedstuffs and nitrogenous fertilizers in addition to the animal oils, can not but be viewed with concern.

SUMMARY OF OPERATIONS

STATISTICS

Monthly and annual statistics were collected and published regularly during 1926, as follows: The collection and monthly publication of the statistics of the landings of fish by vessels at the ports of Boston and Gloucester, Mass., Portland, Me., and Seattle, Wash., with publications of annual bulletins summarizing these landings for the year; monthly publication of statistics on the cold-storage holdings of frozen fish, collected by the Bureau of Agricultural Economics, Department of Agriculture; collection of the statistics of quarterly production, consumption, and holdings of oils in the fishery industries, for the use of the Bureau of the Census; collection and publication of the statistics on the production of canned fishery products and by-products of the United States and Alaska for 1926; collection of statistics on the shad and alewife fisheries of the Potomac River for 1926; collection of statistics of the shad fishery of the Hudson River for 1926; and the securing of statistics on the quantities and value of sponges handled by the Tarpon Springs Sponge Exchange.

In the general canvass work of the division the statistics on Maryland and Virginia were collected, compiled, and are published herewith. With the completion of the above-mentioned statistics, the following geographical sections will have been canvassed for the years indicated: New England States, 1924; New York, New Jersey, Pennsylvania, and Delaware, 1921; Maryland and Virginia, 1925; South Atlantic and Gulf States, 1923; Pacific Coast States, 1922; Great Lakes and Mississippi River and tributaries, 1922. In addition to these, yield statistics are available in this report on the Pacific Coast States, 1925; Great Lakes, 1925; and the State of Connecticut, 1926.

The bureau's program of securing the much-needed statistics of the fisheries through the agency of State collection has made considerable progress during the last year. The system of collecting statistics of the Pacific Coast States, begun in 1923, has been continued and bears fruit in the publication in this report of the statistics for 1924 and 1925. This makes four successive years now available. Through the cooperation of the Tariff Commission, which compiled State statistics on the fisheries of the Great Lakes in connection with tariff surveys, it has been possible to present in this report the statistics on the fishery yield of the Great Lakes and the Lake of the Woods for the years 1913 to 1925. The State of Connecticut also has cooperated in detailing one of its officers to the collection of statistics for the past three years, which makes possible the inclusion in this report of statistics for that State for the years 1924 to 1926. It is hoped that more of the States will enter this field, so that eventually we may have complete annual statistics of our fisheries.

Statistics of the mackerel fishery.—The collection of special statistics on the mackerel fisheries was continued during the year. They included the taking of accurate data on the date, locality of capture, and the size of each fare of mackerel landed, and the measurements of a sample of the mackerel landed. Altogether, data were secured on over 1,200 of the 2,800 fares landed, and more than 26,000 mackerel were measured.

This work was carried on in close cooperation with the division of scientific inquiry, and many biological data also were secured. Incomplete analysis of the data, both statistical and biological, indicates that the unusually large runs of mackerel in 1925 and 1926 were due almost entirely to one successful spawning season, provisionally determined to be that of 1923. Very few mackerel belonging to other age groups were present in the catch.

By continuing the collection of these data in future years, it will be possible to determine how many years a successful crop of mackerel, like that of 1923, will continue to furnish good catches. It will also enable us to detect another good spawning season as soon as its progeny first appear in the catch. These two lines of evidence will be of predictive value; and by so foreseeing the coming years' catches the fishermen may outfit intelligently for the mackerel season and the industry may be guarded from loss in buying, freezing, and selling this species. It may be possible thus to stabilize the market and save outfitting costs at ill-advised times.

TECHNOLOGICAL INVESTIGATIONS

In its technological work the Bureau of Fisheries is endeavoring to improve present practices and to develop new equipment, methods, and products within the fisheries industries and to bring about proper utilization of wastes and by-products. To accomplish these ends, investigations are made and science, in many forms, is applied to the problems at hand. Information thus gained is made available to the industry, and its application is directed until it becomes an integral part of the same. There are but few more fruitful fields for scientific work than the fisheries industries, and much must be done before they can be placed on the same plane of efficiency with other food-producing industries. Properly carried out, work along these lines can be expected to, and actually does, yield large returns.

The bureau's policy is to select broad, fundamental studies on urgent problems which promise to be of the greatest value to the largest number and which are possible with the funds and personnel available for the purpose. In such work the direct results obtained are not the only results. A successful investigation gives general confidence in what science can do for the fisheries industries and leads to independent initiative. Moreover, the principles developed in one investigation frequently are applicable to the solution of other problems.

Utilization of by-products.—The annual production of fish meal in the United States approximates 100,000 tons, valued in excess of $3,250,000. It is estimated that in the production of this fish meal about 23,000 tons of nitrogenous material, with a value of about $1,000,000, are wasted. The bureau has been working upon this problem and has developed a method for decreasing losses of protein and oil in press liquors now discarded in the menhaden industry. Moreover, this method gives better oil and should help materially in diminishing pollution from these liquors in certain coastal waters. In connection with this work the bureau made a careful study of the menhaden industry. This showed that certain steps should be taken to lessen production costs and improve the products obtained, and the nature of these improvements has been pointed out to the industry. As an example of this work, it has been found that the

bilge water from the steamers, instead of polluting waters can be made a source of profit by extracting the materials that otherwise are objectionable in polluting coastal waters.

As soon as funds for the purpose become available the bureau intends to demonstrate to the industry that fishing and manufacturing operations can be carried out with considerable less labor than is expended at present. Certain lines of research, if carried out, undoubtedly will show the industry how to prepare better meal and oil at no increase in cost. Conditions in the menhaden industry have reached the stage where it is necessary that improvements be made if the industry is to continue its existence.

Looking at waste utilization in the fishing industry from a broad viewpoint, it is estimated that enough material to yield about 45,000 tons of fish meal, valued at $3,000,000, is now being thrown away. Valuable oil, too, can be recovered from this material. The bureau is endeavoring to bring about better utilization of this material, and a temporary laboratory has been established at Reedville, Va., for the study of by-products problems.

Filleting of fish is becoming a very large business, with considerable quantities of waste now collecting at different localities. The bureau recently has completed experiments showing how this material can be converted into excellent fish meal in such a manner that the operations can be carried out in such congested centers as New York or Boston without objectionable odors.

One problem demanding solution is that of handling with profit small quantities of waste (1 to 5 tons per day) such as collect in many places. At present many fish markets are put to a considerable expense for hauling their waste away. One city alone is reported to pay $15,000 annually for this purpose.

The salmon industry in Alaska has large quantities of waste material now unutilized, due to the fact that no profitable way of handling the material under the conditions that exist there has been evolved. The canning season is very short, and large quantities of waste collect in a very short time. The overhead cost of the usual method for converting this into meal and oil have been too great to make the undertaking profitable. There is urgent need for a study of this problem. The shrimp industry, too, is throwing away material that could be converted into meal, valued at hundreds of thousands of dollars.

Preserving quality in fresh fish.—Fish and shellfish are very perishable, even more so than other foods of a similar nature, and unless especial precautions are taken they deteriorate very rapidly. The demand for these products in a fresh condition can be increased greatly by improving the methods for getting them into the consumer's hands throughout the United States in the very best condition. Practices are now followed in handling fresh fish, both at sea and after they are landed, which do not assure the highest quality of the product. That bruises and heat injure fish is well known. The importance of these factors as a cause of deterioration is now more generally recognized than formerly, however. One of the bureau's technologists has been studying this problem intensively in the New England district for several months, both ashore and afloat.

The bureau has cooperated with the fishermen and boat owners in developing newer and better methods of handling the catch and in

properly storing it until it reaches land. Plans also have been worked out for redesigning the methods of handling fishery products in the largest wholesale fish market in the country.

The bureau has made a new and important contribution to the proper methods of handling fishery products through the issuance of a handbook on the refrigeration of fish (B. F. Document No. 1016). This contains a history of the industry and a discussion of important scientific principles involved; changes that take place in the fish in the fresh state and during freezing and holding; design, construction, and equipment of fish freezers; practical freezing methods; methods of brine freezing; transportation of frozen fish; and many other points essential to the proper understanding of the industry and its problems.

That money properly spent in technological work brings large returns is evidenced by the bureau's work on brine freezing. The bureau imported the first brine-freezing equipment into the United States and made the first demonstrations of this process. To-day brine freezing is being developed upon an extensive scale.

Net preservation.—Fishing gear used by the fishermen in the United States is valued at about $14,000,000. It is probable that most of this gear must be replaced at least once in four years and much of it more often. It is evident that to increase the life of this gear would lower the cost of landing fish. Many fishermen are put to considerable expense in having to remove growths that collect upon their netting when it is allowed to remain in the water. They must also keep extra gear to replace that removed for cleaning. At times bad weather prevents them from removing the netting, and during this time, frequently due to the heavy weight of fouling growths on the net, it is washed away by the storms.

The bureau has attacked the problem of net fouling by marine growth and the preservation of the twine itself. This research work showed copper oleate to be an excellent preservative and antifouling agent and to have given excellent results commercially. There is need, however, for less expensive treatments that last longer. The bureau has developed new copper mixtures which are cheaper, last longer, and have proven excellent in commercial trials. This work is still in progress. The materials are being tried commercially by fishermen at several points in New Jersey and Virginia. In addition, over 70 new test lines, covering a wide range of chemical combinations are now being conducted at Beaufort, N. C. So far, these studies have been confined largely to salt water. Fresh-water fishermen have special problems with their nets, and it is hoped that this phase of the work can be taken up in the near future.

Nutritive value of fish and shellfish.—Research in recent years has shown fish and shellfish to have especially high nutritive values. The liver oils of certain fish, of which the cod is the most prominent example, are now our most valuable source of vitamins A and D. A study by the bureau showed that sea foods are especially rich in iodine, being, in a great many cases, 50 to 200 times as rich in this important element as other common food products. They should be especially valuable, therefore, in the dietary as a preventative of goiter, many kinds of which have been proven to be due to the lack of sufficient iodine in food. The proteins of fish are of high quality. Information is lacking upon this important subject, however, and

therefore the bureau has been carrying out fundamental studies upon the nutritive value of different fish proteins. A document is to be published in the near future giving the results of some of this work.

A document, entitled "Nutritive Value of Fish and Shellfish" (Document No. 1000), was published recently to assist the fishing industry in promoting the use of fish and shellfish by the public. This was written in nontechnical language and contains chapters by experts on the chemical composition, mineral constitutents, vitamins, oils and fats, and the protein value of aquatic foods.

Sardine canning.—The most recent technological publication of the bureau is Preparation of Fish for Canning as Sardines (Document No. 1020). In this document are discussed critically the methods now employed throughout the world in canning sardines, and it points out the advantages and disadvantages of various methods. A report is then given of the research carried out by the bureau during the past several years aimed at improving existing practices and developing new ones. It deals with the changes that take place in oil used for frying sardines, the behavior of the fish under different frying conditions, development of new methods of frying fish, and upon the development of a new process for preparing the fish. This new process gives a better product at a lower cost than any process now in use. It is now being adopted commercially, a plant having been installed recently which is capable of producing 1,500 cases of fish per day. This is operating successfully, and it is estimated that the cost of production is at least 10 cents per case less than in the process previously used by the company.

Research associates.—The bureau is arranging to provide research associate facilities, similar to those now provided by the Bureau of Standards, whereby firms or groups having special technological problems to solve will furnish the investigator and pay his salary and expenses, the investigations to be carried out in cooperation with the bureau's experts in its laboratories and under its control. This makes available to the industry library, laboratory, and consultation facilities which they are unable to obtain elsewhere and should be of great help to them and to the bureau in evolving processes and special lines of research which the limited funds and personnel of the bureau do not permit.

MERCHANDISING OF FISHERY PRODUCTS

Market survey of New York City.—In 1925 the bureau resumed its surveys of the fishery trade of representative cities and conducted a survey of the wholesale trade in fresh and frozen fishery products in New York City. The complete report of this survey appears in Bureau of Fisheries Document No. 996.

During the year 1924 there were 87 wholesale establishments engaged in handling 394,000,000 pounds, or more than 19,000 carloads, of fresh and frozen fishery products of 106 varieties, with a wholesale value of about $30,000,000. These products were received from every fish-producing region of the North American Continent north of Mexico. The round portion, exclusive of oyster and clam shells, amounted to 346,000,000 pounds. Of this amount, 271,000,000 pounds, or 79 per cent, were consumed in the metropolitan area; 67,000,000 pounds, or 19 per cent, were distributed to other States;

4,000,000 pounds, or 1 per cent, were used on railroads and steamships departing from New York City; and 4,000,000 pounds, or 1 per cent, were exported. The population of Greater New York in 1924 was about 8,500,000, giving a per capita consumption of these products of 31.8 pounds.

The bulk of the trade, or 70 per cent, is based on 31 varieties. Twenty varieties, or 20 per cent, were of moderate importance, and 55 varieties, or 10 per cent, were in small demand.

The wholesale fish trade in New York City is conducted on the lower east side of Manhattan Island, along the East River, in the area known as Fulton Fish Market. This market has no direct rail communication with any freight or express terminal, but for the accommodation of fishing smacks and steam trawlers there are two piers extending into the East River from the rear of the market.

New York City is the second most important fishing port on the Atlantic coast. Direct landings of fresh fish by fishing vessels of over 5 tons net at the market piers during 1924 amounted to over 35,000,000 pounds, being exceeded only by the landings at Boston, Mass.

Due to the isolation of this market from rail facilities, and being in the congested district, problems of intracity transportation have become acute. During 1924 about 322,000,000 pounds, or 82 per cent of the total tonnage of fresh and frozen fishery products received in New York City, arrived by rail at 16 terminals. A study of the movement of these goods from terminals to the wholesale market revealed that 10 per cent of these products were carted over 10 miles from the terminal to the market; 2 per cent, 5 to 6 miles; 38 per cent, 3 to 4 miles; 4 per cent, 2 to 3 miles; 38 per cent, 1 to 2 miles; and 8 per cent, less than 1 mile. Based on a transportation charge of 20 cents per 100 pounds, about $644,000, or about 2 per cent of the wholesale value of the fishery products sold in 1924, were expended in cartage charges for fishery goods moving between rail terminals and the wholesale market.

Fresh and frozen fish in package form.—As a result of the demand for more convenient forms of retailing fresh fish, a new and improved method of preparing fish for the market has been developed. This consists in placing the edible portions of fish in packages of suitable sizes for retail purchase. Fish put up in this manner are termed "package fish." Package fish are put up at production points, and the development of this phase of production promises to be the most important advance in fresh and frozen fish distribution since the introduction of refrigeration. It began in a small way in 1921, with filleting of haddock and has expanded since to other varieties of fish as well as to other ways of cutting the fish for packing, though filleted haddock is still the most important product in this class.

Recognizing the importance of this development, a survey was made to determine its present nature and extent. During the course of the survey firms engaged in this trade were interviewed in Portland, Me., Boston, Gloucester, and Provincetown, Mass., and in New York City, these being the principal localities where package fish are produced on the Atlantic coast.

During 1926, 17,800,000 pounds of fresh and frozen package-fish products were produced in the cities canvassed. These, in round weight, would amount to about 45,000,000 pounds. The prepared

products consisted of 14,600,000 pounds of haddock, 1,400,000 pounds of cod, 800,000 pounds of hake, cusk, and pollock, 800,000 pounds of flounder and sole, and 200,000 pounds of mackerel.

The products are merchandised as fillets, steaks, pan-dressed, and as sticks, any form of which consists of the edible portion of the fish exclusive of all or most of the waste material. Some fillets, steaks, or otherwise prepared fresh-fish products are wrapped individually in parchment paper; while others are not wrapped, but sheets of waxed or parchment paper are inserted between the layers when they are packed in containers.

Frozen fillets are placed on pieces of stiff, waxed cardboard and then wrapped in parchment paper. They also are packed in 1-pound and 5-pound cartons, lined with parchment paper, and then the carton is wrapped in transparent glassine paper. Skinned whiting sticks are packed in 1-pound cartons. Frozen products, in 10-pound blocks are wrapped in parchment paper and then in heavy brown paper.

The commonest type of container for the fresh prepared products is a circular tin can, about 12½ inches in diameter, made in sizes capable of holding 10 to 35 pounds of fish. The lids are self-locking and are held on by friction. Another popular type of container for the fresh-fish products is a flat, rectangular can, about 18 inches long and 10 inches wide, the height depending upon the capacity, which is usually 20 to 30 pounds. The lid is held on by bending over a tab on each of the two long sides, which previously have been inserted through slots in the lid.

There are standard shipping cases for each type of tin container. They are made of wood and hold one, two, and three containers with sufficient space remaining in each box for the amount of ice necessary for refrigeration en route.

Fish products known as "sticks," which are crosswise cuts of fillets, are prepared by some dealers. They are packed in 5 and 10 pound containers. The 5-pound package consists of a wooden lard tray filled with sticks and covered with a second tray, and then the whole is wrapped first in a sheet of waxed paper and then in a sheet of parchment paper. The 10-pound package is a wooden box 11½ inches long, 5 inches wide, and 5 inches high. For shipping out of town, these packages are packed in a box in amounts up to 100 pounds and then covered with ice for refrigerating en route. Frozen package fish usually are packed in insulated, corrugated, strawboard containers for car-lot shipments. For less than car lots, this container is packed in a second strawboard case. No ice is used for shipping frozen fish in these insulated cases, as refrigeration is obtained from the coldness of the frozen fish.

The wrappers, cartons, containers, and shipping cases are printed with the trade names of the product and the name and address of the producer. Tin containers have lithographed labels. Some dealers print recipes for cooking the product on the wrappers or cartons. Such labeling of fresh-fish products constitutes an important advance in fish merchandising, as it encourages the establishment and maintenance of standard quality.

The distribution area for package-fish products, other than fish sticks, is largely between the Appalachian Mountains and the Mississippi River. Fish sticks are distributed largely in Maine, New Hampshire, and Vermont.

During the past year there has been a tendency to pack smoked-fish products attractively. Several firms now put up smoked sardines, smoked haddock, and other like products in 1-pound packages, wrapped in transparent paper.

PUBLICATIONS OF THE DIVISION

During the calendar year 1926 the following publications, prepared in this division, were issued. This list does not include the monthly statistical bulletins for Boston and Gloucester, Mass., Portland, Me., and Seattle, Wash., nor the monthly publication of the cold-storage holdings of frozen fish.

DOCUMENTS

Wholesale trade in fresh and frozen fishery products and related marketing considerations in New York City. By R. H. Fiedler and J. H. Matthews. 8°, 37 pp., 13 illus. Document No. 996.

Fishery industries of United States, 1924. By Oscar E. Sette. 8°, 192 pp. Document No. 997.

Further experiments on preservation of fish nets [with bibliography]. By Harden F. Taylor and Arthur W. Wells. 8°, 31 pp., 19 illus. Document No. 998.

Nutritive value of fish and shellfish [with bibliography]. By E. D. Clark, R. W. Clough, Donald K. Tressler, Arthur D. Holmes, Harden F. Taylor, and E. V. McCollum. 8°, 54 pp. Document No. 1000.

Fishery industries of United States, 1925. By Oscar E. Sette. 8°, 124 pp. Document No. 1010.

STATISTICAL BULLETINS

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Seattle, Wash., by American fishing vessels during the calendar year 1925. Statistical Bulletin No. 686.

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels during the calendar year 1925. Statistical Bulletin No. 687.

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels during the calendar year 1925. Statistical Bulletin No. 688.

Canned fishery products and by-products of the United States and Alaska, 1925. Statistical Bulletin No. 695.

Fisheries of Alaska, 1925. Statistical Bulletin No. 699.

Fisheries of New England States, 1924. Statistical Bulletin No. 703.

CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA IN 1926

The output of canned fishery products in 1926 was valued at $86,193,240 and the by-products at $12,133,110, making the total value of the output of these industries $98,326,350. This was the greatest value in recent years, exceeding 1925 by 3 per cent and 1921 by 79 per cent. The increase was due mostly to the larger pack of salmon in Alaska.

Comparative statistics of the value of canned fishery products and by-products of the United States and Alaska, 1921 to 1926

Year	Canned products	By-products (including menhaden)	Total
1921	$46,634,706	$8,351,827	$54,986,533
1922	60,464,947	11,390,693	71,855,640
1923	72,445,205	12,634,590	85,079,795
1924	72,164,589	10,308,990	82,473,579
1925	80,577,138	14,600,198	95,177,336
1926	86,193,240	12,133,110	98,326,350

CANNED PRODUCTS

The value of canned products in 1926 was 7 per cent greater than the previous year. Salmon, as usual, was the most important item, contributing 65 per cent of the total value; sardines were next with 17 per cent, tuna followed with 6 per cent, while oysters, shrimp, clams, and miscellaneous products made up the remaining 12 per cent.

Comparative statistics of the value of canned fishery products, 1921 to 1926, inclusive

Year	Salmon	Sardine	Tuna	Oyster	Shrimp	Clam	Other	Total
1921	$28,867,169	$6,307,362	$3,074,626	$2,179,271	$3,804,781	$1,166,507	$1,234,990	$46,634,706
1922	38,420,717	9,111,589	4,511,873	2,423,616	3,064,087	1,716,365	1,216,700	60,464,947
1923	45,533,573	9,896,796	6,914,760	2,720,073	4,381,534	1,710,616	1,287,853	72,445,205
1924	42,401,602	12,636,599	5,756,586	2,478,044	4,608,950	2,161,389	2,121,419	72,164,589
1925	47,369,507	13,097,318	8,499,080	3,721,159	3,782,819	1,850,378	2,256,877	80,577,138
1926	56,219,306	14,534,792	5,282,283	2,026,569	4,122,092	2,004,650	2,003,548	86,193,240

Salmon.—In 1926 salmon were packed at 132 plants in Alaska, 31 in Washington, 18 in Oregon, and 2 in California. Compared with the previous year, there was an increase of 3 canneries in Alaska and 2 in Oregon and a decrease of 10 in Washington. The combined output of the 183 plants amounted to 7,488,620 cases, valued at $56,219,306. Of this total, 835,738 cases, valued at $10,139,302, were produced in the Pacific Coast States, and 6,652,882 cases, valued at $46,080,004, were packed in Alaska. The pack in Alaska was approximately 2,200,000 cases larger than the previous year, due principally to increased packs of red and pink salmon. The pack in the Pacific Coast States was only slightly over half that of the previous year, due almost entirely to a decreased pack of humpback or pink salmon, which is subject to alternate good and poor years, 1926 being the "off" year. The decrease in the Pacific Coast States was much more than compensated by the increase in Alaska, making the total pack 24 per cent greater in quantity and 19 per cent in value.

Pack of canned salmon, Pacific Coast States and Alaska, 1926

Products	Pacific Coast States						Southeast Alaska	
	Washington		Oregon and California		Total			
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
King, chinook, or spring:								
1-pound tall	19,381	$174,952	17,734	$106,941	37,115	$281,893	3,997	$34,405
1-pound flat	31,996	472,441	74,680	1,034,613	106,676	1,507,054	5,148	60,694
1-pound oval	1,506	33,132	3,652	80,344	5,158	113,476		
½-pound flat and oval	78,144	1,293,177	122,507	2,085,804	200,651	3,378,981	1,534	22,180
Total	131,027	1,973,702	218,573	3,307,702	349,600	5,281,404	10,679	117,279
Red or sockeye:								
1-pound tall	856	11,984			856	11,984	120,495	1,196,107
1-pound flat	8,299	132,784			8,299	132,784	19,838	247,302
½-pound flat	53,651	1,071,854	12,905	258,100	66,556	1,329,954	33,558	485,380
Total	62,806	1,216,622	12,905	258,100	75,711	1,474,722	173,891	1,928,789
Coho or silver:								
1-pound tall	72,860	591,412	9,654	73,370	82,514	664,782	86,781	724,475
1-pound flat	35,494	328,376	38,023	365,021	73,517	693,397	5,328	55,009
½-pound flat	44,247	530,964	27,863	334,356	72,110	865,320	4,280	58,905
Total	152,601	1,450,752	75,540	772,747	228,141	2,223,499	96,389	838,389
Humpback or pink:								
1-pound tall	749	4,045			749	4,045	2,115,057	11,301,223
1-pound flat	163	978			163	978	3,810	24,030
½-pound flat	1,696	14,586			1,696	14,586	39,832	345,855
Total	2,608	19,609			2,608	19,609	2,158,699	11,671,108
Chum or keta:								
1-pound tall	125,623	626,883	11,310	54,637	136,933	681,520	616,788	3,076,825
1-pound flat	78	421	1,556	7,780	1,634	8,201	551	2,755
½-pound flat	7,454	50,687	2,711	18,435	10,165	69,122	1,058	7,621
Total	133,155	677,991	15,577	80,852	148,732	758,843	618,397	3,087,201
Steelhead:								
1-pound tall	1,946	20,628	22	233	1,968	20,861		
1-pound flat	2,479	27,269	12,903	141,933	15,382	169,202		
½-pound flat and oval	2,966	41,716	10,630	149,446	13,596	191,162		
Total	7,391	89,613	23,555	291,612	30,946	381,225		
Grand total	489,588	5,428,289	346,150	4,711,013	835,738	10,139,302	3,058,055	17,642,766

Pack of canned salmon, Pacific Coast States and Alaska, 1926—Continued

Products	Alaska						Grand total	
	Central		Western		Total			
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
King, chinook, or spring:								
1-pound tall	16,191	$158,746	17,839	$169,402	38,027	$362,553	75,142	$644,446
1-pound flat	5,702	67,665	275	2,750	11,125	131,109	117,801	1,638,163
1-pound oval							5,158	113,476
½-pound flat and oval	1,790	28,404			3,324	50,584	203,975	3,429,565
Total	23,683	254,815	18,114	172,152	52,476	544,246	402,076	5,825,650
Red or sockeye:								
1-pound tall	523,832	5,144,030	1,326,250	12,573,991	1,970,577	18,914,128	1,971,433	18,926,112
1-pound flat	76,966	832,013	7,525	85,628	104,329	1,164,943	112,628	1,297,727
½-pound flat	29,707	464,643	18,916	299,645	82,181	1,249,668	148,737	2,579,622
Total	630,505	6,440,686	1,352,691	12,959,264	2,157,087	21,328,739	2,232,798	22,803,461
Coho or silver:								
1-pound tall	86,938	688,412	1,829	14,046	175,548	1,426,933	258,062	2,091,715
1-pound flat	11,297	101,264			16,625	156,273	90,142	849,670
½-pound flat	6,074	58,452			10,354	117,357	82,464	982,677
Total	104,309	848,128	1,529	14,046	202,527	1,700,563	430,668	3,924,062
Humpback or pink:								
1-pound tall	1,045,826	5,541,094	35,470	175,056	3,196,353	17,017,373	3,197,102	17,021,418
1-pound flat	78,351	454,591			82,161	478,621	82,324	479,599
½-pound flat	20,003	145,678			59,835	491,533	61,531	506,119
Total	1,144,180	6,141,363	35,470	175,056	3,338,349	17,987,527	3,340,957	18,007,136
Chum or keta:								
1-pound tall	195,068	969,966	40,238	198,381	852,094	4,245,172	989,027	4,926,692
1-pound flat	48,431	261,527			48,982	264,282	50,616	272,483
½-pound flat	309	1,854			1,367	9,475	11,532	78,597
Total	243,808	1,233,347	40,238	198,381	902,443	4,518,929	1,051,175	5,277,772
Steelhead:								
1-pound tall							1,968	20,861
1-pound flat							15,382	169,202
½-pound flat and oval							13,596	191,162
Total							30,946	381,225
Grand total	2,146,485	14,918,339	1,448,342	13,518,899	6,652,882	46,080,004	7,488,620	56,219,306

NOTE.—The pack of salmon has been reduced to the equivalent of forty-eight 1-pound cans to the case. There were other salmon products, valued at $108,731, not shown in the above table.

Comparative statistics of the pack of salmon in the Pacific Coast States, 1921 to 1926

Year	King, chinook, or spring		Red or sockeye		Coho or silver		Humpback or pink	
	Cases	Value	*Cases*	Value	*Cases*	Value	*Cases*	Value
1921	335,854	$4,527,711	104,954	$1,905,647	111,643	$806,678	402,846	$1,732,847
1922	314,126	4,572,607	97,927	1,816,901	204,252	1,533,173	3,551	18,546
1923	384,765	5,790,419	105,336	1,955,549	245,548	1,608,627	445,175	2,211,742
1924	349,014	4,599,759	85,800	1,478,698	231,139	1,774,078	12,778	79,436
1925	432,638	5,990,019	118,387	2,065,975	307,567	3,313,060	551,375	3,152,342
1926	349,600	5,281,404	75,711	1,474,722	228,141	2,223,499	2,608	19,609

Year	Chum or keta		Steelhead		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	35,132	$127,659	12,519	$133,883	1,002,948	$9,234,425
1922	87,583	365,303	25,797	326,994	733,246	8,633,524
1923	154,342	769,839	32,157	324,390	1,367,263	12,660,566
1924	247,858	1,192,156	32,073	270,340	958,662	9,394,467
1925	133,368	641,310	15,278	217,270	1,558,613	15,379,976
1926	148,732	758,843	30,946	381,225	835,738	10,139,302

Comparative statistics of the salmon pack in Alaska, 1921 to 1926

Year	King, chinook, or spring		Red or sockeye		Coho or silver	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	44, 994	$459, 897	1, 765, 798	$15, 841, 404	106, 555	$600, 140
1922	30, 660	247, 673	2, 070, 658	19, 135, 696	175, 993	962, 790
1923	38, 343	328, 270	1, 859, 496	17, 253, 792	164, 107	943, 318
1924	33, 648	299, 009	1, 447, 895	13, 803, 932	183, 601	1, 254, 551
1925	49, 978	595, 041	1, 059, 676	13, 904, 599	161, 010	1, 565, 759
1926	52, 476	544, 246	2, 157, 087	21, 328, 739	202, 527	1, 700, 563

Year	Humpback or pink		Chum or keta		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	423, 984	$1, 788, 778	255, 495	$942, 525	2, 596, 826	$19, 632, 744
1922	1, 658, 423	7, 189, 494	565, 918	2, 251, 540	4, 501, 652	29, 787, 193
1923	2, 448, 129	11, 899, 956	525, 622	2, 447, 671	5, 035, 697	32, 873, 007
1924	2, 601, 283	12, 837, 346	1, 028, 488	4, 812, 297	5, 294, 915	33, 007, 135
1925	2, 110, 593	11, 137, 102	1, 078, 680	4, 787, 030	4, 459, 937	31, 989, 531
1926	3, 338, 349	17, 987, 527	902, 443	4, 518, 929	6, 652, 882	46, 080, 004

Comparative statistics of the salmon pack in the United States and Alaska, 1921 to 1926

Year	Pacific Coast States		Alaska		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	1, 002, 948	$9. 234, 425	2, 596, 826	$19, 632, 744	3, 599, 774	$28, 867, 169
1922	733, 246	8, 633, 524	4, 501, 652	29, 787, 193	5, 234, 898	38, 420, 717
1923	1, 367, 263	12, 660, 566	5, 035, 697	32, 873, 007	6, 402, 960	45, 533, 573
1924	958, 662	9, 394, 467	5, 294, 915	33, 007, 135	6, 253, 577	42, 401, 602
1925	1, 558, 613	15, 379, 976	4, 459, 937	31, 989, 531	6, 018, 550	47, 369, 507
1926	835, 738	10, 139, 302	6, 652, 882	46, 080, 004	7, 488, 620	56, 219, 306

Sardines.—In 1926 packs of sardines were reported by 35 plants in Maine, 1 in Massachusetts, and 30 in California. This is an increase of 4 plants in Maine and 4 in California. The production in Maine and Massachusetts amounted to 1,717,537 standard cases of one hundred ¼-pound cans, valued at $6,727,388, which is a small decrease in quantity and a slight increase in value, compared with the previous year. In California the production amounted to 2,093,278 standard cases of forty-eight 1-pound cans, valued at $7,807,404, which is an increase of 22 per cent in quantity and value, making it the largest pack in the history of the industry.

Pack of sardines, 1926

Sardines (herring)	Maine and Massachusetts		Sardines (pilchard)	California	
	Cases	*Value*		*Cases*	*Value*
In olive oil: Quarters (100 cans)	57, 674	$394, 474	½-pound oval (48 cans) [1]	32, 566	$101, 693
In cottonseed oil: Quarters (100 cans)	1, 282, 967	5, 042, 572	1-pound oval (48 cans):		
In mustard:			In tomato sauce	1, 915, 280	6, 992, 473
Quarters (100 cans)	117, 517	537, 382	In mustard	107, 627	402, 193
Three-quarters (48 cans) [2]	163, 595	629, 821	Soused	5, 458	19, 417
In other sauces: Quarters (100 cans)	[1] 23, 802	123, 139	In other sauces	17, 531	65, 991
			¼-pound square (100 cans) [3]	16, 823	136, 411
			½-pound square (100 cans)	[4] 21, 444	89, 226
Total	1, 645, 555	6, 727, 388	Total	2, 116, 729	7, 807, 404
Total (standard cases) [5]	1, 717, 537		Total (standard cases) [6]	2, 093, 278	

[1] Largely in tomato sauce.
[2] Includes the pack of three-quarter size cans, 50 to the case, which have been converted to the basis of 48 cans to the case.
[3] Largely in olive oil.
[4] Includes the pack of 6-ounce round cans, 100 to the case, and also a few cases packed in No. 10 cans, 6 to the case, which have been converted to the basis of ½-pound cans, 100 to the case.
[5] Standard case equals one hundred ¼-pound cans.
[6] Standard case equals forty-eight 1-pound cans.

Comparative statistics of the pack of sardines, 1921 to 1926

Year	Maine and Massachusetts		California	
	Cases [1]	*Value*	*Cases* [2]	*Value*
1921	1,399,507	$3,960,916	398,668	$2,346,446
1922	1,869,719	5,750,109	715,364	3,361,480
1923	1,272,277	5,288,865	1,100,162	4,607,931
1924	1,899,925	7,191,026	1,367,139	5,445,573
1925	1,870,786	6,716,701	1,714,913	6,380,617
1926	1,717,537	6,727,388	2,093,278	7,807,404

[1] Standard cases of one hundred ¼-pound cans.
[2] Standard cases of forty-eight 1-pound cans.

Shad and alewives.—Shad and shad roe are packed at 6 plants in Washington and 9 in Oregon, the production amounting to 15,396 standard cases of forty-eight 1-pound cans, valued at $102,756. Of this total 14,275 cases, valued at $63,334, were shad and 1,121 cases, valued at $39,422, were shad roe. This is a substantial increase in the pack of shad but a decrease of over 50 per cent in the pack of shad roe. Alewives and alewife roe were packed at 7 plants in Maryland, 20 in Virginia, and 3 in North Carolina. The total production amounted to 114,787 standard cases of twenty-four 15-ounce cans, valued at $266,683. The pack of alewives was over four times as large as in 1925, but the pack of alewife roe was somewhat below that of the previous year.

Pack of shad and alewives, 1926

Shad	Washington and Oregon		Alewives	Maryland, Virginia, and North Carolina	
	Cases	*Value*		*Cases*	*Value*
¼-pound flat (48 cans)	174	$905	No. 1 and No. 2 (24 cans)	[1] 42,497	$65,405
1-pound tall (48 cans)	14,188	62,429	Roe:		
Roe:			No. ½, No. 1, and No. 2 (24 cans)	[1] 72,290	201,278
½-pound flat (48 cans)	1,064	17,040			
½-pound oval (48 cans)	1,178	22,382			
Total	16,604	102,756	Total	114,787	266,683
Total (standard cases)[2]	15,396		Total (standard cases)[3]	114,787	

[1] Reduced to standard cases.
[2] Standard case equals forty-eight 1-pound cans.
[3] Standard case equals twenty-four 15-ounce cans.

Comparative statistics of the pack of shad and shad roe, 1921 to 1926

Year	Shad		Shad roe		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	641	$2,455	38	$142	679	$2,597
1922	1,781	9,961	292	8,517	2,073	18,478
1923	2,162	37,165	536	16,288	2,698	53,453
1924	6,470	20,461	1,164	72,932	7,634	93,393
1925	12,569	53,875	2,430	100,571	14,999	154,446
1926	14,275	63,334	1,121	39,422	15,396	102,756

NOTE.—Cases have been reduced to the equivalent of forty-eight 1-pound cans.

Comparative statistics of the pack of alewives and alewife roe, 1921 to 1926

Year	Alewives		Alewife roe		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	333	$813	43,316	$157,841	43,649	$158,654
1922	1,043	1,994	38,612	137,514	39,665	139,508
1923	1,145	1,915	43,530	169,435	44,675	171,350
1924	3,306	5,118	88,836	332,245	92,142	337,363
1925	9,491	15,045	75,057	240,461	84,548	255,506
1926	42,497	65,405	72,290	201,278	114,787	266,683

NOTE.—Cases have been converted to the equivalent of twenty-four 15-ounce cans.

Tuna and tunalike fishes.—Nineteen plants in California reported packs of tuna and tunalike fishes in 1926. The total production was 851,199 standard cases of forty-eight ½-pound cans, valued at $5,282,283. This is a decrease of 23 per cent in quantity and 38 per cent in value as compared with the previous year. The decrease is due solely to the extremely poor pack of albacore, which was only 12 per cent as large as the pack of the previous year. All other kinds of tuna showed substantial increases.

Pack of tuna and tunalike fishes in California, 1926

Sizes	Albacore		Yellowfin		Bluefin		Tuna, bluefin, and yellowfin		Tuna, striped	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
¼-pound round (48 cans)[1]	6,691	$34,363	29,864	$123,173	3,837	$13,935	1,841	$9,022	25,088	$91,928
½-pound round (48 cans)	43,765	336,849	122,014	762,068	55,346	321,016	18,685	113,148	224,568	1,186,712
1-pound round (48 cans)	6,506	94,800	17,509	195,296	7,913	81,159	3,684	38,256	23,034	218,195
Total	56,962	466,012	169,387	1,080,537	67,096	416,110	24,210	160,426	272,690	1,496,835
Total (standard cases)[2]	60,122		171,964		73,091		26,973		283,180	

Sizes	"Tonno"		Bonito		Yellowtail		Tuna flakes		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
¼-pound round (48 cans)[1]	238,054	$1,061,634	7,131	$26,314	374	$1,532	83	$228	312,963	$1,362,129
½-pound round (48 cans)	17,255	138,480	41,134	217,517	13,509	49,239	16,899	70,151	553,175	3,195,180
1-pound round (48 cans)	719	8,927	1,069	9,586	6,131	47,005	4,206	31,750	70,771	724,974
Total	256,028	1,209,041	49,334	253,417	20,014	97,776	21,188	102,129	936,909	5,282,283
Total (standard cases)[2]	137,720		46,838		25,958		25,353		851,199	

[1] Includes the pack of ¼-pound round, 96 cans to the case, and ¼-pound square, 100 cans to the case which have been converted to the basis of ¼-pound cans, 48 to the case.
[2] Standard case equals forty-eight ½-pound cans.

Comparative statistics of the pack of tuna and tunalike fishes, 1921 to 1926

Year	Albacore		Bluefin and yellowfin tuna		Striped tuna		"Tonno"	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921	456,152	$2,657,266	64,816	$306,486	27,972	$109,929		
1922	296,210	2,304,935	168,874	1,047,621	177,995	942,356	13,714	$139,067
1923	310,037	3,106,329	261,773	1,959,812	96,452	578,254	124,416	1,136,814
1924	416,820	4,024,509	65,941	455,048	43,159	239,198	97,304	861,861
1925	[1] 518,079	4,412,655	261,482	1,745,338	168,177	997,697	131,159	1,212,024
1926 [2]	61,197	471,502	287,699	1,718,744	290,278	1,525,146	137,720	1,209,041

[1] Includes 27,489 cases of tuna flakes, valued at $120,637.
[2] Includes 25,353 cases of tuna flakes, valued at $102,129, which have been credited to the various species as packed.

NOTE.—Cases are on the standard basis of forty-eight ½-pound cans.

Comparative statistics of the pack of tuna and tunalike fishes, 1921 to 1926—Contd.

Year	Bonito		Yellowtail		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
1921			210	$945	549,150	$3,074,626
1922	10,810	$58,900	4,718	18,994	672,321	4,511,873
1923	15,099	77,906	10,059	55,645	817,836	6,914,760
1924	12,899	94,806	16,293	81,164	652,416	5,756,586
1925	10,090	61,207	13,484	70,159	1,102,471	8,499,080
1926	48,113	259,204	26,192	98,646	851,199	5,282,283

NOTE.—Cases are on the standard basis of forty-eight ½-pound cans.

Shrimp.—In 1926 shrimp were canned in 1 plant in North Carolina, 2 in South Carolina, 9 in Georgia, 8 in Florida, 4 in Alabama, 18 in Mississippi, 25 in Louisiana, and 4 in Texas. The total pack amounted to 732,365 standard cases of 48 No. 1 cans, valued at $4,122,092. This is a slight decrease in quantity and 9 per cent increase in value, as compared with the previous year.

Pack of shrimp, 1926

Sizes	North Carolina, South Carolina, and Georgia		Florida		Alabama		Mississippi	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
No. 1 dry (4 dozen)	[1] 13,934	$83,245	3,106	$16,345	57,426	$299,346	[2] 46,494	$246,713
No. 1 wet (4 dozen)	63,430	353,882	24,437	138,103	32,311	166,539	103,286	522,147
No. 1½ dry (2 dozen)	[3] 3,550	20,076	703	3,654	[4] 9,089	49,347	[4] 17,171	81,810
No. 1½ wet (2 dozen)	100	550	1,213	6,542			20	100
Total	81,014	457,753	29,459	164,644	98,826	515,232	166,971	850,770
Total (standard cases) [6]	80,375		29,124		97,236		163,962	

Sizes	Louisiana		Texas		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*
No. 1 dry (4 dozen)	[2] 105,225	$579,034	4,598	$23,090	230,783	$1,247,773
No. 1 wet (4 dozen)	173,973	912,531	31,381	184,705	428,818	2,277,907
No. 1½ dry (2 dozen)	[4] 8,489	49,808			39,002	204,695
No. 1½ wet (2 dozen)	2,717	15,015			4,050	22,207
Total	290,404	1,556,388	35,979	207,795	[5] 702,653	[5] 3,752,582
Total (standard cases) [6]	288,443		35,979		695,119	

[1] Includes a few cases packed 4¼ ounces to the can, which have been converted to the equivalent of No. 1, 5-ounce cans.
[2] Includes a few cases packed 4 ounces to the can, which have been converted to the equivalent of No. 1, 5-ounce cans.
[3] Includes a few cases packed 8 and 8½ ounces to the can, which have been converted to the equivalent of No. 1½, 8¼-ounce cans.
[4] Includes a few cases packed 8 ounces to the can, which have been converted to the equivalent of No. 1½, 8¼-ounce cans.
[5] In addition to the above, there were packed in 4, 5, 5¼, 5½, and 6¼ ounce glass jars, 24 jars to the case, in Georgia, Florida, Mississippi, Louisiana, and Texas 77,207 cases of shrimp, or 37,246 standard cases, valued at $369,510, making a total of 732,365 cases, valued at $4,122,092.
[6] Standard case equals 48 No. 1 cans.

Comparative statistics of the pack of shrimp, 1921 to 1926

Year	Cases	Value	Year	Cases	Value
1921	655,364	$3,804,781	1924	718,517	$4,608,950
1922	579,797	3,064,087	1925	735,714	3,782,819
1923	700,429	4,381,534	1926	732,365	4,122,092

NOTE.—Cases have been reduced to the equivalent of 48 No. 1 cans.

Crabs.—One plant in Alaska, 2 in Washington, 2 in Virginia, and 1 in Mississippi reported packs of crabs in 1926. The total output was 1,846 cases of twenty-four 15-ounce cans, valued at $25,222. This is about half the pack of the previous year.

Pack of crabs, 1926

Sizes	Alaska, Washington, Virginia, and Mississippi	
	Cases	*Value*
6 and 7½ ounce (4 dozen)	[1] 1,304	$18,896
14, 15, and 17 ounce (2 dozen)	[1] 542	6,326
Total	1,846	25,222
Total (standard cases) [2]	1,846	

[1] Converted to standard cases. [2] Standard case equals twenty-four 15-ounce cans.

Comparative statistics of the value of the crab pack, 1921 to 1926

Year	Value	Year	Value
1921	$115,800	1924	$35,944
1922	104,171	1925	52,499
1923	47,023	1926	25,222

Clams.—In 1926 razor clams were canned at 13 plants in Washington, 5 in Oregon, and 8 in Alaska; hard clams at 2 plants in Florida, 1 in Georgia, 1 in Rhode Island, 1 in New Jersey, 1 in Oregon, and 4 in Washington; and soft clams at 12 plants in Maine and 2 in Massachusetts. The total output of all kinds, including chowders and juices, was valued at $2,004,650, an increase of 9 per cent, as compared with the previous year. In standard cases of 48 No. 1 cans, the pack was as follows: Razor clams, 94,459 cases, valued at $795,256; hard clams, 30,448 cases, valued at $191,044; soft clams, 64,083 cases, valued at $279,996; and other clam products, such as chowders, soups, bouillon, and juices, 185,007 cases, valued at $738,354.

Pack of clams, 1926

Razor clams	Washington and Oregon		Alaska		Total		Hard clams	Washington, Oregon, and Florida	
Whole:	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*	Whole:	*Cases*	*Value*
No 1 (4 dozen)	3,056	$28,556			3,056	$28,556	1-pound (4 dozen)	1,774	$13,118
1-pound (4 dozen)	2,371	28,686	95	$1,040	2,466	29,726	No. 1 (4 dozen)	6,500	54,848
Minced:							No. 2 (2 dozen)	10,895	65,081
½-pound flat (4 dozen)	45,546	318,845	28,240	174,376	73,786	493,221	No. 10 (½ dozen)	3,682	20,534
No. 1 (4 dozen)	16,679	152,041	10,080	78,771	26,759	230,812	Minced:		
No. 2 (2 dozen)	[1] 1,659	12,892	[1] 11	49	1,670	12,941	No. 1 (4 dozen)	[3] 2,897	20,008
							No. 2 (2 dozen)	[4] 2,715	17,455
Total	69,311	541,020	38,426	254,236	107,737	795,256	Total	28,463	191,044
Total (standard cases) [2]	61,624		32,835		94,459		Total (standard cases) [2]	30,448	

[1] Includes a few cases packed in 1-pound cans, 4 dozen to the case, which have been converted to a basis of No. 2 cans, 2 dozen to the case.
[2] Standard case equals 48 No. 1 cans.
[3] Includes a few cases packed in ½-pound cans, which have been converted to a basis of No. 1 cans.
[4] Includes the pack of No. 10 cans, ½ dozen to the case, which have been converted to a basis of No. 2 cans, 2 dozen to the case.

Pack of clams, 1926—Continued

Soft clams	Maine and Massachusetts		Other hard, soft, and razor clam products	Maine, Massachusetts, Rhode Island, New Jersey, Georgia, Florida, Washington, and Oregon	
Whole:	*Cases*	*Value*	Chowder and soup:	*Cases*	*Value*
No. 1 (4 dozen)	[5] 38,181	$170,773	No. 1 (2 dozen)	[6] 122,736	$288,228
No. 1½ (4 dozen)	9,650	63,104	No. 1½ and No. 2 (2 dozen)	[7] 62,373	179,208
No. 2 (2 dozen)	10,462	46,119	No. 3 (2 dozen)	38,892	191,619
			No. 10 (½ dozen)	4,269	15,044
			Bouillon and juice:		
			No. 1 (4 dozen)	[8] 13,185	64,255
Total	58,293	279,996	Total	241,455	738,354
Total (standard cases) [2]	64,083		Total (standard cases) [2]	185,007	

[2] Standard case equals 48 No. 1 cans.
[5] Includes a few cases packed in 6-ounce cans, 2 dozen to the case, which have been converted to a basis of No. 1 cans, 4 dozen to the case.
[6] Includes the pack of 8-ounce cans, 4 dozen to the case, which have been converted to a basis of No. 1 cans, 2 dozen to the case.
[7] The pack of No. 2 cans, 2 dozen to the case, has been reduced to the equivalent of No. 1½ cans, 2 dozen to the case.
[8] The pack of clam bouillon and juice was packed in various sizes, all of which have been converted to a basis of No. 1 cans, 4 dozen to the case.

Comparative statistics of the value of canned clams and clam products, 1921 to 1926, inclusive

Year	Razorclams	Hard clams	Soft clams	Clam chowders, juices, etc.	Total
1921	$506,591	$138,699	$338,775	$182,442	$1,166,507
1922	876,364	201,270	327,287	311,444	1,716,365
1923	883,535	194,937	308,560	323,584	1,710,616
1924	863,126	271,911	459,882	566,470	2,161,389
1925	860,002	218,601	287,073	484,702	1,850,378
1926	795,256	191,044	279,996	738,354	2,004,650

Oysters.—In 1926 oysters were canned at 4 plants in Maryland, 5 in North Carolina, 13 in South Carolina, 4 in Georgia, 1 in Florida, 4 in Alabama, 18 in Mississippi, 5 in Louisiana, and 1 in Texas. The total output amounted to 413,834 standard cases of forty-eight 5-ounce cans, valued at $2,026,569. This is a decrease of 37 per cent in quantity and 36 per cent in value, as compared with the previous year.

Pack of oysters, 1926

Sizes	Maryland		North Carolina		South Carolina		Georgia and Florida	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
4-ounce (4 dozen)	2,417	$13,142			2,408	$10,113		
5-ounce (4 dozen)	[1] 20,080	127,606	9,343	$44,049	[2] 65,407	314,652	11,105	$56,362
8-ounce (2 dozen)	897	4,828			1,554	6,525		
10-ounce (2 dozen)	4,259	26,064	596	2,779	15,083	69,596		
Total	27,653	171,640	9,939	46,828	84,452	400,886	11,105	56,362
Total (standard cases) [4]	26,990		9,939		83,660		11,105	

[1] Includes a few cases packed in 6-ounce cans, which have been converted to the equivalent of 5-ounce cans.
[2] Includes a few cases packed in 3-ounce cans, which have been converted to the equivalent of 5-ounce cans.
[4] Standard case equals forty-eight 5-ounce cans.

Pack of oysters, 1926—Continued

Sizes	Alabama		Mississippi		Louisiana and Texas		Total	
	Cases	*Value*	*Cases*	*Value*	*Cases*	*Value*	*Cases*	*Value*
4-ounce (4 dozen)			34,950	$150,564	5,007	$23,873	44,782	$197,692
5-ounce (4 dozen)	33,591	$154,188	123,225	566,565	[1] 32,963	162,327	295,714	1,425,749
8-ounce (2 dozen)	252	1,089	18,504	79,846	1,498	7,175	22,705	99,463
10-ounce (2 dozen)	5,395	24,726	36,680	169,546	[3] 2,117	10,954	64,130	303,665
Total	39,238	180,003	213,359	966,521	41,585	204,329	427,331	2,026,569
Total (standard cases)[4]	39,188		202,668		40,284		413,834	

[1] Includes a few cases packed in 6-ounce cans, which have been converted to the equivalent of 5-ounce cans.
[3] Includes a few cases packed in 12-ounce cans, which have been converted to the equivalent of 10-ounce cans.
[4] Standard case equals forty-eight 5-ounce cans.

Comparative statistics of the pack of oysters, 1921 to 1926

Year	Cases	Value	Year	Cases	Value
1921	442,086	$2,179,271	1924	447,481	$2,478,044
1922	505,973	2,423,616	1925	654,755	3,721,159
1923	524,544	2,720,073	1926	413,834	2,026,569

NOTE.—Cases are on the standard basis of forty-eight 5-ounce cans.

Miscellaneous canned fish.—In addition to the products shown above, miscellaneous canned goods were packed in 1926 as follows: In Maine, Massachusetts, New York, Georgia, Wisconsin, and Washington, 4,128,047 pounds of canned fish and terrapin, valued at $686,469, and 4,179,472 pounds of canned fish roe, valued at $777,551; in California, 5,215 cases of fish cakes, mackerel, and abalone, valued at $36,136, and miscellaneous salmon products valued at $108,731; making a total of $1,608,887 worth of miscellaneous canned products not mentioned elsewhere.

BY-PRODUCTS

The total value of by-products, including the products of the menhaden and whaling industries, amounted to $12,133,110 in 1926, made up of the following items: Fish and whale oils, 10,888,046 gallons, valued at $5,027,491; fish, whale, and shrimp scrap, meal, and bran to the value of $3,651,077; shell by-products, 308,670 tons, valued at $2,588,416; fish glue, 520,622 gallons, valued at $732,109; and miscellaneous by-products to the value of $134,017. The total value of by-products was 17 per cent less than in the previous year.

Production of various by-products, 1926

Products	Maine, Massachusetts, New York, and Pennsylvania		Maryland and Virginia		North Carolina and Florida		Mississippi and Louisiana	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Fish scrap and meal:								
Dried tons	5,156	$241,757	1,808	$68,294				
Acidulated do	117	1,970						
Pomace do	3,381	5,933						
Oil:								
Herring gallons	117,433	48,091	33,832	13,983				
Cod liver, crude do	175,516	130,790						
Miscellaneous do	260	26	2,407	963	9,217	$5,697		
Liquid glue do	520,622	732,109						
Miscellaneous by-products [1] pounds	601,148	75,133					2,072,880	$33,775
Total		1,235,809		83,240		5,697		33,775

Products	Alaska, Washington, Oregon, and California		Indiana and Wisconsin		Total	
	Quantity	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Fish scrap and meal:						
Dried tons	30,739	$1,581,959			37,703	$1,892,010
Acidulated do	182	1,231			299	3,201
Pomace do	2,776	3,558			6,157	9,491
Oil:						
Salmon gallons	193,173	72,605			193,173	72,605
Sardine do	2,113,028	932,651			2,113,028	932,651
Tuna do	24,766	13,771			24,766	13,771
Herring do	2,965,671	1,320,689			3,116,936	1,382,763
Whale do	1,265,959	744,088			1,265,959	744,088
Sperm do	10,050	3,987			10,050	3,987
Cod liver, crude do					175,516	130,790
Miscellaneous do	30,121	8,943	3,792	$2,047	45,797	17,676
Liquid glue do					520,622	732,109
Miscellaneous by-products [1] pounds	814,315	58,884			3,488,343	167,792
Total		4,742,366		2,047		6,102,934

[1] Includes herring skins and scales, isinglass, agar agar, fish flour, poultry food, pickled whale meat, whale tails, and 1,036 tons of shrimp bran, valued at $33,775, which were produced in Mississippi and Louisiana.

NOTE.—The oils produced on the Pacific coast are reported in "trade" gallons (7½ pounds), and those produced on the Atlantic and Gulf coasts are reported in United States gallons (about 7.74 pounds).

Fish oils.—The production of fish and whale oils in 1926 amounted to 10,888,046 gallons, valued at $5,027,491, as follows: Menhaden, 3,942,821 gallons, valued at $1,729,160; herring, 3,116,936 gallons, valued at $1,382,763; sardine, 2,113,028 gallons, valued at $932,651; other fish oils, 439,252 gallons, valued at $234,832; and whale and sperm oil, 1,276,009 gallons, valued at $748,075. The 1926 production was below that of the previous year, due to a 35 per cent decrease in menhaden oil, a 32 per cent decrease in sardine oil, and an 8 per cent decrease in other fish oils. Herring oil increased 28 per cent and whale and sperm oil 0.5 per cent. The net decrease in all marine animal oils was 18 per cent.

Production of fish and whale oils, 1921 to 1926

Year	Menhaden		Herring		Sardine	
	Gallons	*Value*	*Gallons*	*Value*	*Gallons*	*Value*
1921	6,260,478	$1,719,892	112,838	$26,735	170,977	$35,760
1922	7,102,677	2,904,833	450,362	150,144	428,859	145,668
1923	7,461,365	3,316,277	945,424	384,053	966,247	424,103
1924	3,923,904	1,817,626	1,324,002	571,399	2,338,711	1,076,903
1925	6,023,108	3,001,106	2,442,527	1,034,071	3,120,048	1,568,753
1926	3,942,821	1,729,160	3,116,936	1,382,763	2,113,028	932,651

Production of fish and whale oils, 1921 to 1926—Continued

Year	Other fish oils		Whale and sperm		Total	
	Gallons	*Value*	*Gallons*	*Value*	*Gallons*	*Value*
1921	378,887	(1)	523,101	(1)	7,446,281	$2,078,670
1922	306,430	$145,401	2,247,145	$884,714	10,535,473	4,230,760
1923	443,935	187,877	1,556,830	791,884	11,373,801	5,104,194
1924	381,832	184,534	1,242,836	661,271	9,211,285	4,311,733
1925	480,195	211,250	1,221,198	685,011	13,287,076	6,500,191
1926	439,252	234,832	1,276,009	748,075	10,888,046	5,027,491

[1] Data not available.

Fish scrap and meal.—The total value of scrap and meal of all kinds produced in 1926 was $3,651,077, made up as follows: Dried scrap and meal, 61,929 tons, valued at $3,056,406; acidulated scrap, 23,852 tons, valued at $551,405; crude or green scrap, 6,157 tons, valued at $9,491; and 1,036 tons of shrimp bran, valued at $33,775. This is a decrease of 11 per cent in the quantity of dried scrap and meal and 43 per cent in acidulated scrap. The decreased production of these materials was due largely to the partial failure of the menhaden fishery.

Comparative statistics of the production of scrap and meal from fish (including menhaden), whale, and shrimp, 1921 to 1926

Year	Dried scrap and meal		Acidulated scrap		Crude or green scrap		Shrimp bran		Total
	Tons	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Value*
1921	60,031	$2,613,361	44,454	$895,140	2,160	$31,827	628	$16,814	$3,557,142
1922	89,459	3,755,787	25,712	555,973	433	9,519	562	15,398	4,336,677
1923	66,088	3,286,504	44,935	1,064,870	1,593	13,721	1,269	48,290	4,413,385
1924	51,855	2,370,237	24,963	504,639	3,543	6,262	936	31,580	2,912,718
1925	69,733	3,500,496	41,773	1,109,067	5,477	9,414	1,079	31,658	4,650,635
1926	61,929	3,056,406	23,852	551,405	6,157	9,491	1,036	33,775	3,651,077

Fish glue.—In 1926 the production of fish glue was 520,622 gallons, valued at $732,109. The production of this commodity has increased appreciably, as may be seen from the following figures on the production for the last six years:

Comparative statistics of the production of fish glue, 1921 to 1926

Year	Gallons	Value	Year	Gallons	Value
1921	347,048	$364,415	1924	502,940	$550,391
1922	323,003	278,424	1925	510,816	589,064
1923	465,814	680,054	1926	520,622	732,109

Shell by-products.—In 1926 there were produced 251,166 tons of crushed oyster shell for poultry grit, valued at $2,379,141; 57,232 tons of oyster-shell lime, valued at $207,019; and 272 tons of crushed marine clamshells, valued at $2,256; a total of 308,670 tons of shell products, valued at $2,588,416. This does not include crushed shell produced as a by-product of the fresh-water pearl-button industry, statistics of which are not available.

Production of shell products, 1926

Products	Connecticut and Rhode Island		New Jersey and Pennsylvania		Maryland		Virginia		North Carolina and South Carolina	
Crushed oyster shell:	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*
Poultry grit	1,383	$17,289	9,538	$108,657	68,973	$678,606	21,883	$226,552	7,100	$86,000
Lime	307	1,423	3,800	16,438	25,410	65,246	21,315	106,554	1,350	9,250
Total	1,690	18,712	13,338	125,095	94,383	743,852	43,198	333,106	8,450	95,250

Products	Florida and Alabama		Mississippi		Louisiana		Texas		Total	
Crushed oyster shell:	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*
Poultry grit	8,294	$69,127	31,922	$275,028	98,283	$886,528	3,790	$31,354	251,166	$2,379,141
Lime	1,225	1,862	800	1,100	2,675	3,746	350	1,400	57,232	207,019
Total	9,519	70,989	32,722	276,128	100,958	890,274	4,140	32,754	308,398	2,586,160

NOTE.—In addition to the above there were produced elsewhere 272 tons of crushed marine clamshells, valued at $2,256.

Comparative statistics of oyster-shell by-products, 1921 to 1926

Year	Crushed oyster shell		Oyster-shell lime		Total
	Tons	*Value*	*Tons*	*Value*	*Value*
1921	185,474	$1,759,120	73,764	$502,634	$2,261,754
1922	236,021	2,005,838	93,168	431,213	2,437,051
1923	224,983	1,986,249	83,808	372,286	2,358,535
1924	219,211	2,019,254	70,269	336,384	2,355,638
1925	226,971	2,075,057	67,818	303,261	2,378,318
1926	251,166	2,379,141	57,232	207,019	2,586,160

Menhaden industry.—This industry suffered another poor season in 1926, due to scarcity of fish, the production being well below that of 1925 and only slightly above that of 1924, which was also a very poor year. The production in 1926 was: Dried scrap and meal, 24,226 tons, valued at $1,164,396; acidulated scrap, 23,553 tons, valued at $548,204; and 3,942,821 gallons of oil, valued at $1,729,160; a total of $3,441,760 worth of products, as compared with $5,622,615 in 1925.

Products of the menhaden industry, 1926

Products	Connecticut, New York, and New Jersey		Delaware		Virginia	
Fish utilized:	*Quantity*	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Menhaden—number	32,191,334		42,323,667		213,783,183	
Products:						
Dry scrap and meal—tons	457	$21,403			15,356	$756,075
Acidulated scrap—do	2,898	77,845	4,133	$100,590		
Oil—gallons	258,318	118,182	390,687	181,934	1,835,363	814,190
Total		217,430		282,524		1,570,265

Products	North Carolina		Georgia and Florida		Total	
Fish utilized:	*Quantity*	*Value*	*Quantity*	*Value*	*Quantity*	*Value*
Menhaden—number	168,698,900		114,318,333		[1] 571,315,417	
Products:						
Dry scrap and meal—tons	5,100	$234,375	3,313	$152,543	[2] 24,226	$1,164,396
Acidulated scrap—do	10,712	224,519	5,810	145,250	23,553	548,204
Oil—gallons	1,053,606	446,868	404,847	167,986	[3] 3,942,821	1,729,160
Total		905,762		465,779		3,441,760

[1] 342,789,250 pounds.
[2] Of this quantity 5,719 tons, valued at $304,224, were reported as fish meal.
[3] Menhaden oil is reported in United States gallons, about 7.74 pounds.

Comparative statistics of the products of the menhaden industry, 1921 to 1926

Year	Dried scrap and meal		Acidulated scrap		Oil		Total
	Tons	*Value*	*Tons*	*Value*	*Gallons*	*Value*	*Value*
1921	37,858	$1,380,455	44,504	$905,640	6,260,478	$1,719,892	$4,005,987
1922	67,821	2,665,441	25,755	556,317	7,102,677	2,904,833	6,126,591
1923	43,452	2,029,406	44,935	1,064,870	7,461,365	3,316,277	6,410,553
1924	21,008	996,866	24,409	495,684	3,923,904	1,817,626	3,310,176
1925	30,167	1,519,458	41,463	1,102,051	6,023,108	3,001,106	5,622,615
1926	24,226	1,164,396	23,553	548,204	3,942,821	1,729,160	3,441,760

FOREIGN FISHERY TRADE

The foreign trade in fishery products of the United States during 1926 amounted to $70,423,793, of which $50,094,786 were the value of fishery products imported for consumption and $20,329,007 the value of exports of domestic fishery products. Compared with 1925, this is an increase of 0.2 per cent in the total trade, an increase of 2.2 per cent in the value of fishery products imported for consumption, and a decrease of 4.4 per cent in the exports of domestic fishery products.

The imports consisted of 308,677,267 pounds of edible products (including fresh, frozen, cured, and canned fish), valued at $32,517,979, and nonedible products (comprised mainly of fish and marine-animal oils, pearls and imitation pearls, and shells), valued at $17,576,807. Compared with 1925, this is an increase of 17.2 per cent in the quantity and 11.9 per cent in the value of the edible products imported and a decrease of 12 per cent in the value of nonedible products imported.

The increase in the quantity and value of the edible products imported was due largely to larger imports of fresh and frozen fish (originating chiefly in Canada and Mexico), which amounted to 138,849,434 pounds, valued at $9,770,816, an increase of 38.8 per cent in the amount and 25.9 per cent in the value, as compared with 1925; and to the imports of canned products, amounting to 34,644,050 pounds, valued at $6,142,286, an increase in this class of 26.1 per cent in the amount and 23.9 per cent in the value. The imports of other edible fishery products differed very little from the preceding year.

The decrease in the value of nonedible products imported may be attributed almost entirely to the decrease of $2,489,656, or 27.3 per cent, in the value of pearls and imitation pearls imported. Possibly the domestic factories, which began the manufacture of imitation pearls a few years ago, are now supplying the United States market with this product to a greater extent.

The exports consisted mainly of edible products, amounting to 163,507,052 pounds, valued at $19,903,837, and nonedible products, valued at $425,170, registering an increase of 1.6 per cent in the quantity and a decrease of 4 per cent in the value of the edible products exported and a decrease of 19.5 per cent in the value of nonedible products exported.

The largest individual export item in 1926, which consisted of canned-fish products, amounted to 126,789,557 pounds, valued at $15,013,052. This is an increase over 1925 of 7.2 per cent in amount and 2.4 per cent in value. The amount of canned salmon exported showed an increase of 0.4 per cent in amount, with a decrease of 5.3 per cent in

the value. The exports of canned sardines, the chief competitor of canned salmon in foreign markets, amounted to 71,285,456 pounds, valued at $6,126,476, showing an increase of 13.6 per cent in amount and 15.6 per cent in value. Very slight increases or decreases in exports were made by the other classes of fishery products.

Considering only the amounts of fishery products upon which we usually have an unfavorable trade balance, the imports of fresh and frozen fish were 20.3 times the exports in 1926 and 9.5 times those in 1925. The imports of cured fish were 6 times the exports in 1926 and 5.4 times those in 1925. The imports of fresh and canned shellfish were 2.4 times the exports in 1926 and 2.1 times those in 1925. The imports of fish and marine-animal oils were 115 times the exports in 1926 and 123 times those in 1925. Contrasting the above products with the amounts of those upon which we usually have a favorable trade balance the exports of canned fish, usually the most important export fishery product, were 3.7 times the imports in 1926 and 4.3 times those in 1925. The exports of miscellaneous or other fishery products were 2.3 times the imports in 1926 and 1.3 times the 1925 export.

Following are tables showing the amount and value of the foreign trade in fishery products by the United States for 1925 and 1926 and a comparison table for 1926.

Imports for consumption and domestic exports of fishery products, 1926, and ratio comparisons

Item	Imports		Exports		Ratio of imports to exports	
Edible fishery products:						
Fish, fresh, frozen, or packed in ice	*Pounds* 138,849,434	*Value* $9,770,816	*Pounds* 6,828,713	*Value* $870,010	*Quantity* 203 : 10	*Value* 112 : 10
Fish, salted, dried, smoked, or pickled	111,406,751	9,029,419	18,631,684	2,361,320	60 : 10	38 : 10
Fish, canned or packed in oil	34,644,050	6,142,286	126,789,557	15,013,052	10 : 37	10 : 24
Shellfish, canned or fresh	23,134,572	7,009,325	9,763,176	1,520,647	24 : 10	46 : 10
Other fish products, roe caviar, etc	642,460	566,133	1,493,922	138,808	10 : 23	41 : 10
Total	308,677,267	32,517,979	163,507,052	19,903,837	19 : 10	16 : 10
Nonedible fishery products:						
Fish and marine-animal oils [1]	93,145,755	6,694,306	808,827	118,986	1,150 : 10	563 : 10
All others		10,882,501		306,184		355 : 10
Total		17,576,807		425,170		413 : 10
Grand total		50,094,786		20,329,007		25 : 10

[1] Gallon of fish or marine-animal oil calculated at 7.5 pounds.

Exports of domestic fishery products, 1925 and 1926

Item	1925		1926	
Fish, fresh, frozen, or packed in ice:	*Quantity*	*Value*	*Quantity*	*Value*
Salmon—pounds	4,233,549	$502,007	3,062,307	$487,542
Other fresh fish—do	6,283,087	662,114	3,766,406	382,468
Total—do	10,516,636	1,164,121	6,828,713	870,010
Fish, salted, dried, smoked:				
Cod—do	4,381,744	537,815	3,954,342	423,937
Haddock, hake, and pollock—do	3,163,658	277,948	2,703,613	196,782
Herring—do	3,442,340	212,331	2,350,883	155,471
Salmon, smoked or dry-cured—do	1,650,740	341,106	2,169,595	455,270
Other—do	1,716,468	132,875	1,652,651	190,506
Total—do	14,354,950	1,502,075	12,831,084	1,421,966

Exports of domestic fishery products, 1925 and 1926—Continued

Item	1925		1926	
	Quantity	*Value*	*Quantity*	*Value*
Fish, pickled:				
Salmon, pounds	4,748,600	$1,293,941	3,356,200	$803,051
Other, do	1,620,800	125,688	2,444,400	136,303
Total, do	6,369,400	1,419,629	5,800,600	939,354
Fish, canned:				
Salmon, do	53,293,716	9,061,578	53,511,098	8,578,221
Sardines, do	62,754,826	5,301,178	71,285,456	6,126,476
Other, do	2,201,176	303,788	1,993,003	308,355
Total, do	118,249,718	14,666,544	126,789,557	15,013,052
Shellfish:				
Canned, do	4,084,907	939,486	3,443,164	691,131
Not canned, do	6,761,681	932,286	6,320,012	829,516
Total, do	10,846,588	1,871,772	9,763,176	1,520,647
Other fish products, do	522,571	110,443	1,493,922	138,808
Total edible products, do	160,859,863	20,734,584	163,507,052	19,903,837
Fish oils, do	614,274	115,078	808,827	118,986
Buttons, pearl or shell, gross	408,774	193,772	350,886	141,379
Shells, unmanufactured, pounds	1,326,064	97,240		
Sponges, do	98,055	122,098	105,550	164,805
Total		413,110		306,184
Total nonedible products		528,188		425,170
Grand total		21,262,772		20,329,007

Imports of fishery products entered for consumption, 1925 and 1926

Item	1925		1926	
	Quantity	*Value*	*Quantity*	*Value*
Edible fishery products:				
Fish, fresh, frozen, or packed in ice—				
Cod, haddock, hake, and pollock, pounds	1,238,452	$61,940	976,473	$48,526
Eels, do	798,570	113,910	901,262	125,186
Fresh-water fishes, do	40,358,560	3,720,236	47,985,060	4,680,585
Halibut, do	3,740,015	465,035	5,719,206	747,310
Herring, do	2,386,842	121,676	1,438,905	68,032
Herring (fresh sea), do	16,335,323	213,764	46,252,918	429,052
Mackerel, do	4,404,097	302,204	2,858,612	160,212
Salmon, do	6,459,167	740,433	5,348,725	636,391
Smelts, do	6,669,087	877,924	9,099,087	1,185,948
Swordfish, do	492,151	78,386	1,175,614	170,844
Tuna, do	10,444,220	491,318	9,898,985	525,575
Other dutiable, do	6,740,478	576,494	7,195,187	993,155
Total, do	100,066,962	7,763,320	138,849,434	9,770,816
Fish, salted, dried, smoked, or pickled—				
Cod, dried, do	26,862,736	2,454,238	33,196,832	2,541,117
Finnan haddie, do	936,353	80,820	1,637,197	141,912
Hake and pollock, dried, do	698,956	46,479	1,386,220	77,573
Herring—				
Dried or smoked, do	1,107,542	69,683	994,859	57,920
Pickled or salted, do	35,590,438	2,434,667	31,524,616	1,951,628
Smoked, skinned, or boned, do	561,877	61,928	655,014	78,451
Mackerel, pickled or salted, do	13,494,366	1,044,118	10,721,327	652,617
Salmon, dried, do	6,661	1,267	130,568	13,330
Salmon, kippered, smoked, salted, pickled, or otherwise prepared, pounds	1,137,151	166,407	1,066,653	183,045
Other kippered, smoked, salted, pickled or otherwise prepared, not elsewhere specified, pounds	3,376,852	396,809	19,769,295	2,003,369
Other dried fish, do	6,049,707	816,728	5,621,252	765,498
Others, in bulk or packages, do	22,721,130	2,207,655	4,702,918	562,959
Total, do	112,543,769	9,780,799	111,406,751	9,029,419
Fish packed in oil or other substances—				
Sardines, do	20,180,843	3,590,012	25,529,032	4,358,219
All others, do	7,291,419	1,368,751	9,115,018	1,784,067
Total, do	27,472,262	4,958,763	34,644,050	6,142,286

Imports of fishery products entered for consumption, 1925 and 1926—Continued

Item	1925		1926	
	Quantity	*Value*	*Quantity*	*Value*
Edible fishery products—Continued.				
Fish roe, frozen, prepared, or preserved—				
Caviar.....pounds..	158,734	$322,428	358,903	$505,765
Other fish roe, preserved.....do....	253,550	62,238	283,557	60,368
Total.....do....	412,284	384,666	642,460	566,133
Shellfish—				
Crabs.....do....	34,601	3,105	102,644	8,609
Crab meat packed in ice, frozen, or otherwise prepared or preserved.....pounds..	8,332,699	2,818,299	7,243,455	3,188,154
Lobsters, canned.....do....	1,382,513	819,048	1,792,038	1,135,921
Lobsters, fresh, frozen, packed in ice, or prepared or preserved in any manner (not specially provided for).....pounds..	6,998,997	1,585,843	6,537,088	1,555,875
Turtles.....do....	643,315	40,391	465,009	25,746
Other shellfish and shrimp.....do....	5,442,633	904,991	6,994,338	1,095,020
Total.....do....	22,834,758	6,171,677	23,134,572	7,009,325
Total edible fishery products.....do....	263,330,035	29,059,225	308,677,267	32,517,979
Nonedible fishery products:				
Fish and marine-animal oils—				
Cod oil.....gallons..	1,755,070	864,131	2,425,599	1,250,836
Cod-liver oil.....do....	1,220,440	1,055,914	1,921,422	1,615,967
Herring, menhaden, and sod oil.....do....	567,236	238,468	1,942,846	755,316
Other fish oils.....do....	125,798	41,578	108,263	41,565
Seal oil.....do....	364,893	187,718	650,775	315,203
Whale oil, sperm.....do....	258,261	103,863	137,309	51,272
Whale oil, other.....do....	7,141,111	4,224,551	5,233,220	2,664,147
Total.....do....	11,432,809	6,716,223	12,419,434	6,694,306
Pearls and imitation pearl—				
Pearls and parts, not strung or set..number..	2,052,518	6,734,149	----------	5,322,140
Imitation half pearls and hollow or filled pearls without holes or with holes partly through.....number..	9,139,307	198,107	17,755,752	93,654
Imitation solid pearls, wholly or partly pierced, mounted or unmounted..number..	1,408,156	24,541	1,061,640	40,528
Imitation-pearl beads.....pounds..	1,613,044	2,169,251	----------	1,180,070
Total.....----------	----------	9,126,048	----------	6,636,392
Shells and buttons of pearl or shell—				
Shells, not manufactured—				
Green snail shell.....pounds..	260,588	26,688	182,509	24,409
Mother-of-pearl.....do....	5,484,394	1,707,817	7,049,992	2,040,517
All others.....do....	1,116,934	194,186	4,329,950	133,440
Shells, manufactured.....do....	118,268	119,505	----------	100,112
Shell pearl buttons—				
Fresh-water.....gross..	20,600	7,057	7,864	2,600
Ocean or trochus.....do....	242,623	83,670	103,900	41,735
Button blanks, not turned, faced or drilled.....gross..	1,934	1,135	638	735
Buttons (from Philippine Islands).do....	722,223	316,466	992,169	455,619
Total.....----------	----------	2,456,524	----------	2,799,167
Sponges.....pounds..	232,969	241,213	244,540	243,437
From Cuba.....do....	663,302	644,671	700,831	664,804
From Philippine Islands.....do....	2,586	5,628	1,130	3,514
Manufactures of, not specially provided for.....pounds..	471	1,818	704	645
From Cuba.....do....	694	1,178	2,631	3,904
From Philippine Islands.....do....	----------	----------	53	138
Total.....do....	900,022	894,508	949,889	916,442
Agar agar.....do....	501,226	461,947	465,832	320,559
Ambergris.....do....	223	80,365	134	14,551
Cuttlefish bone.....do....	308,441	46,663	264,471	31,250
Fish for purposes other than human consumption.....pounds..	2,491,645	80,499	3,851,060	72,967
Fish skins, raw or salted.....do....	226,892	7,378	367,643	11,715
Fish sounds, crude, dried, or salted for preservation only.....do....	151,854	42,263	116,654	31,218
Sea grass, eelgrass, and sea-weed, dyed or manufactured.....do....	191,227	41,169	----------	43,891
Sealskins.....number..	289	7,253	----------	----------
Whalebone, unmanufactured.....pounds..	18,945	10,037	5,148	3,878
Whalebone, manufactures of.....do....	220	489	173	471
Total.....----------	----------	778,063	----------	530,500
Total nonedible fishery products.....----------	----------	19,971,366	----------	17,576,807
Grand total.....----------	----------	49,030,591	----------	50,094,786

COLD-STORAGE HOLDINGS OF FROZEN FISH IN 1926

The statistics of the cold-storage holdings of frozen fish and the quantities of fish frozen are collected by the Bureau of Agricultural Economics, Department of Agriculture, and in 1926, as in previous years, were published monthly and distributed by the Bureau of Fisheries. The regular monthly cold-storage bulletin usually is in the hands of the trade by the 20th of each month. Due to the complexities of fishing operations, it is patent that the information contained in this bulletin should reach the trade at the earliest possible date. To this end, a comprehensive first release is issued on the 1st of each month, which, while not in such detail as the regular bulletin, shows the holdings of fish for the current month, the holdings for the corresponding month a year previous, and the amount frozen during the current month for 14 of the most important commercial species. Both of these bulletins will be sent to interested parties, free of charge, upon application to the Bureau of Fisheries.

During 1926 there were 177 freezers and cold-storage establishments devoted wholly or in part to the storage of frozen fish. The holdings were somewhat less during the first seven months and considerably more during the last five months of the year than in the previous year, varying between 16,154,002 pounds, in the month of April, to 75,034,255 pounds, in the month of November. The average monthly holdings during the year amounted to 45,906,276 pounds, as compared with 44,084,251 pounds in 1925, an increase of 4.13 per cent. Compared with the 5-year average, the monthly holdings in 1926 were somewhat larger, being 11.71 per cent above the 5-year average. The holdings during the first seven months of 1926 were 1.98 to 28.02 per cent smaller than in the same months of the previous year, and during the last five months they were 16.61 to 21.39 per cent larger. Compared with the 5-year average, they were 2.35 to 19.59 per cent smaller during the first four months and less than 1 to 33.85 per cent larger during the last eight months of 1926.

Comparative statement of cold-storage holdings of frozen fish for 1926 and 1925, and the 5-year average

Month	1926	1925	Five-year average	Increase (+) or decrease (−)	
				Compared with 1925	Compared with 5-year average
	Pounds	*Pounds*	*Pounds*	*Per cent*	*Per cent*
January	48,180,927	55,307,587	50,026,000	−12.89	−3.69
February	37,378,116	44,034,613	38,278,000	−15.12	−2.35
March	24,893,707	29,864,613	27,007,000	−16.65	−7.82
April	16,154,002	22,441,873	20,089,000	−28.02	−19.59
May	21,540,012	23,749,277	20,268,000	−9.31	+6.28
June	31,345,473	31,979,574	26,001,000	−1.98	+20.55
July	33,901,690	40,458,169	33,901,000	−16.21	+.002
August	57,626,753	47,473,515	43,052,000	+21.39	+33.85
September	64,656,804	55,446,548	52,178,000	+16.61	+23.92
October	70,309,906	58,357,764	60,328,000	+20.48	+16.55
November	75,034,255	61,849,359	62,288,000	+21.32	+20.46
December	69,853,669	58,048,280	59,694,000	+20.34	+17.02
Average for year	45,906,276	44,084,251	41,092,500	+4.13	+11.71

Holdings of frozen fish in the United States in 1926, by species, and a 5-year average, 1921 to 1925 [1]

Species	Month ended— Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Bluefish (all trade sizes)	445,718	342,679	290,567	206,176	231,655	320,871
Butterfish (all trade sizes)	845,558	611,333	293,825	159,848	227,486	276,655
Catfish	111,382	82,784	37,666	41,975	127,020	158,619
Ciscoes (including bluefin, blackfin, chub, lake herring, etc.)	2,305,327	1,376,924	668,938	360,868	324,283	519,128
Ciscoes (tullibees)	1,062,725	1,412,594	1,257,336	829,212	667,620	597,686
Cod, haddock, hake, pollock	883,933	636,144	495,504	553,529	703,128	1,045,593
Croaker	342,371	178,790	69,196	2,285	1,572,358	1,712,547
Flounders	627,801	424,332	341,022	158,483	346,400	622,718
Halibut (all trade sizes)	4,907,844	2,504,272	1,584,131	1,473,747	3,047,381	5,366,294
Herring, sea (including alewives and blue-backs)	2,851,964	2,362,962	2,367,792	2,164,260	2,647,674	2,476,106
Lake trout	2,093,198	1,703,539	886,958	227,040	214,730	529,802
Mackerel (except Spanish)	4,311,884	3,158,859	1,639,170	747,455	1,962,009	2,404,645
Pike perches and pike or pickerel	3,695,913	3,390,366	2,199,018	1,164,051	1,426,211	2,235,296
Sablefish (black cod)	1,821,194	1,144,991	967,089	837,229	730,536	642,016
Salmon, silver and fall	2,732,494	1,865,869	1,031,104	332,137	200,614	173,192
Salmon, steelhead trout	431,588	275,550	52,655	26,805	20,810	44,494
Salmon, all other	2,412,673	1,926,443	1,408,211	946,895	798,594	888,113
Scup (porgies)	318,035	192,368	61,726	14,906	63,862	209,334
Shad and shad roe	576,913	399,073	196,543	150,748	234,529	496,712
Shellfish	900,000	847,960	633,348	359,090	417,966	574,338
Smelts, eulachon, etc	1,035,946	1,416,159	1,329,662	655,477	556,632	532,011
Squeteagues or "sea trout"	1,129,495	673,440	269,947	83,068	306,778	445,472
Squid	1,190,883	871,578	751,118	390,189	394,976	1,309,658
Sturgeon and spoonbill cat	195,705	145,574	132,557	56,922	106,349	293,926
Suckers	72,210	47,994	28,409	31,118	49,120	62,717
Whitefish	2,308,708	2,201,183	1,554,089	610,889	432,528	510,636
Whiting	4,901,429	3,803,529	1,827,068	1,216,222	904,961	3,331,875
Miscellaneous frozen fish	3,668,036	3,380,827	2,519,058	2,353,378	2,823,802	3,565,019
Total frozen fish	48,180,927	37,378,116	24,893,707	16,154,002	21,540,012	31,345,473
Five-year average, 1921–1925	50,026,000	38,278,000	27,007,000	20,089,000	20,268,000	26,001,000

Species	Month ended— July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Bluefish (all trade sizes)	334,823	277,952	334,813	409,841	498,909	559,021
Butterfish (all trade sizes)	490,020	658,629	1,180,787	1,433,005	1,618,329	1,361,269
Catfish	158,206	171,155	193,921	217,795	213,440	238,968
Cisco (Lake Erie)	61,850	280,414	400,806	588,273	531,773	638,968
Cisco (lake herring), including bluefin, blackfin, and chub	669,297	1,198,422	1,569,295	1,705,492	2,321,208	3,419,619
Cisco (tullibees, Canadian lakes)	590,946	594,333	659,240	581,454	1,083,907	1,321,792
Cod, haddock, hake, pollock	1,319,861	2,048,874	2,466,600	2,798,065	3,017,477	2,534,705
Croaker	2,005,068	2,767,786	2,422,491	1,938,832	1,744,454	1,581,438
Flounders	789,390	818,798	794,769	780,015	885,590	802,994
Halibut (all trade sizes)	8,018,732	10,769,155	12,312,435	12,078,605	11,431,849	9,358,933
Herring, sea (including alewives and blue-backs)	2,567,666	2,515,497	2,370,729	2,409,106	2,627,105	2,325,225
Lake trout	672,915	740,261	755,354	1,094,541	2,026,143	2,019,089
Mackerel (except Spanish)	6,352,132	9,510,431	11,510,394	11,322,610	10,533,613	9,063,993
Pike, blue and sauger	993,610	697,981	441,140	535,570	1,263,096	1,117,219
Pike, yellow or wall-eyed	279,612	194,923	204,235	244,168	294,463	221,548
Pike (including pickerel, jacks, and yellow jack)	714,016	738,740	869,600	1,354,757	1,528,656	1,497,892
Sablefish (black cod)	754,016	940,396	1,108,591	1,551,825	1,951,222	1,732,324
Salmon, chinook	789,597	1,398,178	1,685,145	1,942,840	1,705,416	1,361,277
Salmon, silver	377,706	1,336,802	2,008,421	3,538,461	3,424,282	3,738,254
Salmon, fall and pink	71,349	176,438	202,060	961,300	1,404,737	1,281,194
Salmon, steelhead trout	440,077	863,327	1,064,738	1,109,401	994,107	712,874
Salmon, all other	1,378,768	1,535,118	1,949,944	2,045,996	2,008,669	2,313,964
Scup (porgies)	230,678	248,070	234,978	211,168	186,655	145,485

[1] Beginning with July 15, 1926, the following groups or classifications were changed: "Ciscoes (including bluefin, blackfin, chub, lake herring, etc.)" to "Cisco (Lake Erie)" and "Cisco (lake herring), including bluefin, balckfin, and chub"; "Ciscoes (tullibees)" to "Cisco (tullibees, Canadian lakes)"; "Pike perches and pike or pickerel" subdivided to "Pike, blue and sauger", "Pike, yellow or wall-eyed", and "Pike (including pickerel, jacks, and yellow jacks)"; "Salmon, silver and fall" discontinued and salmon classified as "Salmon, chinook", "Salmon, silver", "Salmon, fall and pink", "Sal non, steelhead trout", and "Salmon, all other"; and "Squeteagues or 'sea trout' " to "Weakfish (including southern 'sea trout')".

Holdings of frozen fish in the United States in 1926, by species, and a 5-year average, 1921 to 1925—Continued

Species	Month ended—					
	July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15
	Pounds	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Shad and shad roe	521,920	507,793	493,089	463,308	433,885	347,378
Shellfish	625,166	487,332	508,320	985,248	1,375,848	1,548,401
Smelts, eulachon, etc	520,545	516,022	520,852	530,102	574,760	518,920
Squid	1,615,412	1,586,189	1,573,194	2,079,983	2,229,339	2,044,650
Sturgeon and spoonbill cat	530,140	617,007	745,713	1,255,385	1,230,711	1,136,955
Suckers	63,261	60,831	58,812	58,165	92,705	87,329
Weakfish (including southern "sea trout")	390,678	498,244	581,093	1,111,981	1,363,422	1,278,683
Whitefish	696,969	969,881	985,660	952,574	1,324,421	1,297,356
Whiting	6,696,870	7,752,541	8,067,142	7,431,789	7,623,602	7,069,007
Miscellaneous frozen fish	3,884,364	4,149,233	4,382,443	4,588,253	5,490,462	5,177,001
Total frozen fish	45,605,690	57,626,753	64,656,804	70,309,906	75,034,255	69,853,669
Five-year average, 1921–1925	33,901,000	43,052,000	52,178,000	60,328,000	62,288,000	59,694,000

NEW ENGLAND VESSEL FISHERIES

GENERAL STATISTICS

The vessel fisheries centering at Boston and Gloucester, Mass., and Portland, Me., experienced a record year in 1926 in the quantity of products, which was greater than for any previous year for which statistics are available; the value of the products was greater than for any year since 1918. There was an increase over 1925 at the three ports of 3.46 per cent in the number of trips and of 9.94 per cent in the quantity and 11.74 per cent in the value of the products. The increases were at Boston and Gloucester, but there was a decrease at Portland. The increase at Boston was 3.75 per cent in the number of trips and 12.26 per cent in the quantity and 14.72 per cent in the value of the products. The increase at Gloucester was 6.99 per cent in the number of trips and 10.97 per cent in the quantity and 7.16 per cent in the value of the products. At Portland the decrease was 3.18 per cent in the number of trips and 11.72 per cent in the quantity and 7.24 per cent in the value of the products. Statistics of the fisheries have been collected by the local agents and published in monthly bulletins, showing, by species and fishing grounds, the quantity and value of fishery products landed by American fishing vessels during the year at these ports. Two annual bulletins were issued, one showing the catch by months and the other by fishing grounds.

During the calendar year 1926 the fishing fleet at these ports numbered 350 sail, steam, and gasoline vessels, including 30 steam trawlers. These vessels landed 4,569 trips at Boston, aggregating 167,317,826 pounds of fish, valued at $7,002,602; 2,665 trips at Gloucester, aggregating 54,900,824 pounds, valued at $1,490,211; and 1,461 trips at Portland aggregating 16,207,573 pounds, valued at $575,760. The total for the three ports amounted to 8,695 trips, aggregating 238,426,223 pounds of fresh and salted fish, having a value to the fishermen of $9,068,573. In making these trips, including the date of departure and date of arrival, the vessels were absent from port 44,236 days. At Boston the trips landed occupied 29,996 days; at Gloucester, 10,882 days; and at Portland, 3,358 days.

Compared with the previous year, there was an increase of 291 trips, or 3.46 per cent, in the total number landed at Boston, Gloucester, and Portland, and an increase of 21,556,958 pounds, or 9.94 per cent, in the quantity and $953,003, or 11.74 per cent, in the value of the products landed. There was considerable increase in both the quantity and value of cod and haddock and a large increase in the quantity and value of the catch of mackerel and swordfish. There was also a large increase in the catch of pollock, with a small increase in the value. The catch of hake, cusk, and herring declined in both quantity and value. The catch of halibut also declined to some extent in quantity, with a small increase in value. The catch of cod increased 10,968,573 pounds, or 16.31 per cent, in quantity and $326,241, or 14.05 per cent, in value; haddock increased 2,174,474 pounds, or 2.37 per cent, in quantity and $335,183, or 12.2 per cent, in value; and mackerel increased 10,022,795 pounds, or 38.24 per cent, in quantity and $215,333, or 18.08 per cent, in value. The catch of hake decreased 301,101 pounds, or 5.19 per cent, in quantity and $27,424, or 15.79 per cent, in value; pollock increased 1,449,641 pounds, or 27.4 per cent, in quantity and $6,103, or 4.14 per cent, in value; and cusk decreased 984,903 pounds, or 26.53 per cent, in quantity and $15,014, or 17.75 per cent, in value. The catch of halibut decreased 130,145 pounds, or 3.65 per cent, in quantity and increased $15,978, or 2.44 per cent, in value. The catch of swordfish increased 964,499 pounds, or 63.16 per cent, in quantity and $106,700, or 27.65 per cent, in value. The herring catch decreased 2,361,951 pounds, or 59.91 per cent, in quantity and $63,418, or 61.68 per cent, in value. The Newfoundland herring catch decreased from 2,400,336 pounds, valued at $84,265, in 1925, to 555,280 pounds, valued at $26,510, in 1926. In the various other species, combined, there was a decrease of 244,924 pounds, or 3.19 per cent, in quantity and an increase of $53,321, or 17.44 per cent, in value.

The catch of scrod cod landed at these ports decreased from 227,698 pounds, valued at $3,539, in 1925, to 185,594 pounds, valued at $2,897, in 1926; and the catch of scrod haddock decreased from 14,571,900 pounds, valued at $299,393, in 1925, to 11,251,594 pounds, valued at $244,143, in 1926. The small quantity of these grades landed each year, as compared with other grades of these species, is said to be due to the fact that the price was so low that the fishermen did not save all that were caught.

The following tables present in detail, by fishing grounds and also by months, the fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels for the calendar year 1926. These include only the vessels of 5 net tons and upward, as measured by the United States Customs Service. The weights of fresh and salted fish given in these statistics represent the fish as landed from the vessels, and the values are those received by the fishermen. The grades, or sizes, given for certain species are those recognized in the trade.

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Statement, by fishing grounds, of quantities and values of certain fishery product landed at Boston and Gloucester, Mass., and Portland, Me., by American fishin vessels, 1926

Fishing grounds	Number of trips	Cod							
		Large (10 pounds and over)				Market (under 10 and over 2½ pounds)			
		Fresh		Salted		Fresh		Salted	
		Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Valu*
LANDED AT BOSTON									
East of 66° W. longitude:									
La Have Bank	71	1, 535, 440	$66, 722			434, 380	$11, 913		
Western Bank	90	2, 093, 410	66, 294	8, 000	$333	186, 965	3, 735		
Quereau Bank	14	14, 000	495			12, 000	330		
Green Bank	4								
Grand Bank	4	3, 500	105						
St. Peters Bank	10								
Burgeo Bank	1								
Cape Shore	72	244, 300	10, 864			177, 200	4, 204		
Labrador Coast	1								
West of 66° W. longitude:									
Browns Bank	223	3, 582, 013	164, 909			1, 976, 345	59, 308		
Georges Bank	701	16, 818, 898	674, 574			2, 535, 190	71, 373		
Cashes Bank	12	98, 000	4, 288			40, 720	1, 305		
Clark Bank	3	33, 640	1, 353			8, 260	209		
Fippenies Bank	4	3, 299	321			2, 580	170		
Middle Bank	224	96, 339	5, 497			67, 630	2, 753		
Jeffreys Ledge	167	120, 302	7, 100			59, 776	2, 558		
South Channel	1, 095	5, 839, 660	276, 822	5, 980	274	2, 813, 451	86, 123	3, 290	$13
Nantucket Shoals	212	571, 533	27, 776			499, 478	12, 881		
Off Highland Light	62	11, 200	632			5, 900	193		
Off Chatham	317	186, 773	9, 403			115, 045	4, 613		
Seal Island	1	10, 420	625			5, 500	156		
South	3								
Shore, general	1, 278	525, 622	24, 537			294, 261	9, 906		
Total	4, 569	31, 788, 349	1, 342, 317	13, 980	607	9, 234, 681	271, 730	3, 290	13
LANDED AT GLOUCESTER									
East of 66° W. longitude:									
La Have Bank	33	621, 100	13, 712	223, 855	10, 450	185, 090	3, 170	29, 485	1, 10
Western Bank	146	17, 946, 615	394, 401	2, 530, 194	113, 563	1, 983, 185	32, 877	395, 420	13, 27
Quereau Bank	11	58, 100	1, 312	127, 995	5, 947	17, 540	301	16, 930	64
Green Bank	2	10, 510	236	977	49	105	2	2, 420	9
Grand Bank	7	16, 270	366	89, 005	4, 144	6, 395	96	47, 240	1, 76
St. Peters Bank	11	75, 890	1, 188	78, 075	3, 771	8, 230	110	12, 990	49
Burgeo Bank	2	2, 320	52	17, 071	822	370	6	1, 744	6
Off Newfoundland	2								
Cape Shore	16	56, 970	1, 317			38, 460	701		
West of 66° W. longitude:									
Browns Bank	31	804, 792	17, 243	108, 490	5, 311	246, 600	4, 390	6, 938	26
Georges Bank	103	2, 648, 760	64, 349	603, 250	30, 165	228, 690	4, 291	121, 385	4, 71
South Channel	22	34, 375	819			41, 690	800		
Nantucket Shoals	16	2, 800	69			1, 525	31		
Off Chatham	40								
Shore, general	2, 223	3, 322, 440	155, 314			65, 120	3, 075	10, 340	36
Total	2, 665	25, 600, 942	650, 378	3, 778, 912	174, 222	2, 823, 000	49, 850	644, 892	22, 77
LANDED AT PORTLAND									
East of 66° W. longitude:									
La Have Bank	2	23, 370	548			4, 780	96		
Western Bank	18	1, 610, 740	32, 600	9, 820	372	28, 802	957	8, 828	29
Quereau Bank	6	27, 375	925	69, 040	3, 452	5, 650	181	4, 135	16
Grand Bank	3								
Cape Shore	6								
Gulf of St. Lawrence	2								
The Gully	3	2, 600	59	1, 320	59	100	2	90	3
Labrador Coast	1								
West of 66° W. longitude:									
Browns Bank	3	31, 450	1, 488			26, 730	703		
Georges Bank	20	28, 000	560						
Cashes Bank	70	173, 503	5, 455	13, 035	612	76, 371	2, 263	1, 515	5
Fippenies Bank	5	2, 690	114			1, 965	65		
Middle Bank	5	2, 220	67			2, 775	69		
Platts Bank	98	71, 181	3, 659			42, 476	1, 682		
Jeffreys Ledge	368	521, 658	26, 480			69, 886	2, 345		
South Channel	13	90, 500	1, 905	270	14			60	2
Nantucket Shoals	1								
Off Highland Light	4								
Shore, general	833	1, 037, 632	40, 449	2, 841	164	150, 115	4, 616	1, 540	8
Total	1, 461	3, 622, 919	114, 309	96, 326	4, 673	409, 650	12, 979	16, 168	60
Grand total	8, 695	61, 012, 210	2, 107, 004	3, 889, 218	179, 502	12, 467, 331	334, 559	664, 350	23, 51

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Fishing grounds	Cod—Continued				Haddock			
	Scrod (1 to 2½ pounds)				Large (over 2½ pounds)			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
East of 66° W. longitude:								
La Have Bank	2,800	$28			899,500	$28,344		
Western Bank					655,615	18,003		
Cape Shore	1,000	15			216,435	6,690		
West of 66° W. longitude:								
Browns Bank	8,275	110			4,029,675	159,283		
Georges Bank	1,345	18			7,401,670	306,852		
Cashes Bank	500	5			65,555	2,068		
Clark Bank					44,700	2,026		
Fippenies Bank	1,075	27			30,600	2,180		
Middle Bank	5,520	103			861,028	45,713		
Jeffreys Ledge	4,555	93			874,000	49,784		
South Channel	13,825	367			42,084,463	1,465,919		
Nantucket Shoals	6,300	91			7,134,975	201,865		
Off Highland Light					114,450	4,249		
Off Chatham	2,215	67			2,718,495	127,960		
Seal Island					42,800	1,098		
Shore, general	13,765	226			4,281,022	169,846		
Total	61,175	1,150			71,454,983	2,591,880		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank	460	5	30	$1	173,915	1,911		
Western Bank	6,200	62	4,950	134	591,213	6,231	2,210	$48
Quereau Bank			85	3				
Grand Bank			2,930	81				
Cape Shore					13,955	220		
West of 66° W. longitude:								
Browns Bank	110	1			411,785	5,761		
Georges Bank	265	3	60	2	1,096,417	14,602	185	4
South Channel					1,220,425	12,742		
Nantucket Shoals					1,324,965	13,607		
Shore, general					604,115	22,129		
Total	7,035	71	8,055	221	5,436,790	77,253	2,395	52
LANDED AT PORTLAND								
East of 66° W. longitude:								
La Have Bank	485	2			32,200	582		
Western Bank	5,150	52	19,655	346	823,515	14,787	74,085	1,473
Quereau Bank			200	4				
West of 66° W. longitude:								
Browns Bank	70	2			48,750	2,021		
Georges Bank					459,800	8,424		
Cashes Bank	14,260	165			149,533	8,074		
Fippenies Bank	423	7			8,805	569		
Middle Bank	600	3			33,890	750		
Platts Bank	19,898	286			379,532	20,639		
Jeffreys Ledge	20,311	256			666,826	30,791		
South Channel					2,028,000	39,369		
Nantucket Shoals					189,500	2,843		
Shore, general	27,981	320	296	12	1,020,491	39,273	45	1
Total	89,178	1,023	20,151	362	5,840,842	168,122	74,130	1,474
Grand total	157,388	2,314	28,206	583	82,732,615	2,837,255	76,525	1,526

Statement, by fishing grounds, of quantities and values of certain fishery produc landed at Boston and Gloucester, Mass., and Portland, Me., by American fishin vessels, 1926—Continued

Fishing grounds	Haddock—Continued				Hake			
	Scrod (1 to 2½ pounds)				Large (6 pounds and over)			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON								
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Valu*
La Have Bank	20,575	$502			30,050	$972		
Western Bank	1,100	33			5,150	140		
Quereau Bank					1,000	10		
Cape Shore					1,260	15		
West of 66° W. longitude:								
Browns Bank	86,020	2,601			31,385	877		
Georges Bank	570,660	14,599			39,660	950		
Cashes Bank	500	5			44,665	2,082		
Clark Bank	7,000	265			400	8		
Fippenies Bank	1,870	48			16,930	738		
Middle Bank	22,465	672			245,905	8,393		
Jeffreys Ledge	33,615	969			208,275	6,167		
South Channel	7,461,230	167,434			3,298,477	71,595	3,420	$7
Nantucket Shoals	1,143,135	20,877			111,550	3,471		
Off Highland Light	9,885	151			7,100	526		
Off Chatham	392,315	11,399			69,790	3,146		
Seal Island					2,775	42		
Shore, general	657,523	16,854			141,975	3,312		
Total	10,407,893	236,409			4,256,347	102,444	3,420	7
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank	270	5			68,470	973	4,465	9
Western Bank	18,680	128			570	7	1,085	2
Quereau Bank					1,860	23	5,360	12
Grand Bank					840	8	4,070	8
St. Peters Bank					1,080	12		
Burgeo Bank					260	3		
Cape Shore					600	6		
West of 66° W. longitude:								
Browns Bank	2,900	23			8,170	98	1,480	2
Georges Bank	67,380	1,274			26,600	320	605	1
South Channel	426,760	3,253			10,195	115		
Nantucket Shoals	194,520	1,511			4,645	52		
Shore, general					51,515	865		
Total	710,510	6,194			174,805	2,482	17,065	35
LANDED AT PORTLAND								
East of 66° W. longitude:								
La Have Bank	1,350	7						
Western Bank			800	$16				
Quereau Bank							1,500	4
West of 66° W. longitude:								
Browns Bank	3,670	58						
Cashes Bank	11,285	182			5,920	174		
Fippenies Bank	790	11						
Middle Bank	210	1						
Platts Bank	17,976	293			3,655	87		
Jeffreys Ledge	33,645	414			3,875	144		
Shore, general	63,465	558			1,445	37		
Total	132,391	1,524	800	16	14,895	442	1,500	4
Grand total	11,250,794	244,127	800	16	4,446,047	105,368	21,985	46

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Fishing grounds	Hake—Continued				Pollock			
	Small (under 6 pounds)							
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON								
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
La Havre Bank					62,260	$1,282		
Western Bank					27,685	775		
Cape Shore					5,560	93		
West of 66° W. longitude:								
Browns Bank	3,905	$263			213,231	6,217		
Georges Bank	9,030	676			696,928	17,334		
Cashes Bank	13,650	408			12,260	337		
Clark Bank					675	23		
Fippenies Bank					2,780	76		
Middle Bank	30,310	1,795			85,040	1,694		
Jeffreys Ledge	38,675	1,840			102,060	2,191		
South Channel	271,427	15,502			1,633,791	47,011		
Nantucket Shoals	11,540	398			85,300	2,099		
Off Highland Light					4,025	109		
Off Chatham	18,120	1,360			35,640	1,794		
Seal Island					100	1		
Shore, general	17,270	700			136,388	4,737		
Total	413,927	22,942			3,103,723	85,773		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank					26,030	268	1,030	$21
Western Bank					127,770	1,322	13,950	287
Quereau Bank					800	8	970	19
Grand Bank					170	3		
St. Peters Bank					1,485	15	80	2
Cape Shore					420	4		
West of 66° W. longitude:								
Browns Bank					19,810	384	3,025	61
Georges Bank					32,480	325	4,580	93
South Channel					2,010	20		
Shore, general					2,624,440	51,461		
Total					2,835,415	53,810	23,635	483
LANDED AT PORTLAND								
East of 66° W. longitude:								
La Have Bank	1,015	28			225	4		
Western Bank	4,935	98			5,175	54	9,670	238
Quereau Bank			470	$9	930	14	500	13
West of 66° W. longitude:								
Browns Bank	200	2			1,490	28		
Cashes Bank	55,985	2,000			28,955	696	75	2
Fippenies Bank	3,563	79			338	10		
Platts Bank	163,317	4,533			33,967	651		
Jeffreys Ledge	254,869	7,167			422,278	6,944		
South Channel	3,300	102			16,742	285		
Shore, general	135,006	3,447			255,937	4,670	459	10
Total	622,190	17,456	470	9	766,037	13,356	10,704	263
Grand total	1,036,117	40,398	470	9	6,705,175	152,939	34,339	746

Statement, by fishing grounds, of quantities and values of certain fishery product landed at Boston and Gloucester, Mass., and Portland, Me., by American fishin vessels, 1926—Continued

Fishing grounds	Cusk				Halibut			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Valu*
LANDED AT BOSTON								
East of 66° W. longitude:								
La Have Bank	62,865	$1,294			228,393	$45,818		
Western Bank	23,860	429			207,405	36,067		
Quereau Bank	500	5			443,917	83,535		
Green Bank					143,145	23,117		
Grand Bank					129,097	22,231		
St. Peters Bank					282,196	53,952		
Burgeo Bank					14,278	2,368		
Cape Shore	19,565	249			1,684	419		
Labrador Coast					21,511	3,667		
West of 66° W. longitude:								
Browns Bank	446,910	11,145			225,445	52,756		
Georges Bank	142,330	2,970			972,204	201,089		
Cashes Bank	108,180	2,419			1,757	482		
Clark Bank					336	96		
Fippenies Bank	2,350	94			400	200		
Middle Bank	144,130	4,577			2,581	965		
Jeffreys Ledge	93,370	2,971			1,175	389		
South Channel	250,505	8,057			218,542	44,797		
Nantucket Shoals	535	12			44,005	7,560		
Off Highland Light	2,140	107			1,718	204		
Off Chatham	40,570	2,035			13,686	2,482		
Seal Island	1,950	20			430	65		
Shore, general	92,650	2,273			13,497	2,443		
Total	1,432,410	38,657			2,967,402	584,702		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
La Have Bank	139,505	1,875	9,780	$262				
Western Bank	5,285	87	2,005	48	9,860	2,958	335	$3
Quereau Bank	54,820	314	4,090	86			2,695	35
Grand Bank	550	6	1,700	49				
St. Peters Bank	540	8	280	7			1,700	19
Burgeo Bank			25	1				
West of 66° W. longitude:								
Browns Bank	47,570	619	4,310	126				
Georges Bank	183,280	2,669	12,065	327				
Shore, general	560	6						
Total	432,110	5,584	34,255	906	9,860	2,958	4,730	58
LANDED AT PORTLAND								
East of 66° W. longitude:								
La Have Bank	4,425	77			577	94		
Western Bank	7,000	140			53,236	9,623		
Quereau Bank	920	28	100	3	127,382	25,838		
Grand Bank					77,554	12,033		
Gulf of St. Lawrence					59,622	11,084		
The Gully					77,131	13,930		
Labrador Coast					21,113	4,549		
West of 66° W. longitude:								
Browns Bank	4,710	64			345	65		
Cashes Bank	397,280	10,655			16,086	2,925		
Fippenies Bank	20,890	674			154	25		
Middle Bank	50	1						
Platts Bank	125,174	4,400			1,284	286		
Jeffreys Ledge	80,048	2,836			2,315	435		
South Channel	770	15	30	1	1,105	149		
Shore, general	187,735	5,541	40	1	11,061	1,874		
Total	829,002	24,431	170	5	448,965	82,910		
Grand total	2,693,522	68,672	34,425	911	3,426,227	670,570	4,730	58

Statement, by fishing grounds, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Fishing grounds	Mackerel				Miscellaneous			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON								
East of 66° W. longitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
La Have Bank					17,275	$2,809		
Western Bank					8,707	865		
Quereau Bank					4,432	643		
Green Bank					485	101		
Grand Bank					243	75		
St. Peters Bank					248	77		
Cape Shore	1,950,769	$87,808	106,600	$3,200	102,067	25,085		
West of 66° W. longitude:								
Browns Bank					346,020	60,253		
Georges Bank					1,885,905	353,940		
Cashes Bank					180	2		
Clark Bank	95	14			3,025	254		
Fippenies Bank					100	10		
Middle Bank	2,610,165	104,654			19,720	1,406		
Jeffreys Ledge	1,202,816	57,170	7,600	696	15,437	1,011		
South Channel	2,330,086	70,137	16,000	640	1,678,570	114,236		
Nantucket Shoals	8,230	823			525,138	26,969		
Off Highland Light	1,566,460	73,382	28,800	1,778	2,500	99		
Off Chatham	3,991,263	171,000	19,400	1,124	283,956	11,442		
Seal Island					75	2		
South	111,850	7,255						
Shore, general	9,480,991	390,361	57,600	3,063	3,793,438	151,404		
Total	23,252,725	962,604	236,000	10,501	8,687,521	750,683		
LANDED AT GLOUCESTER								
East of 66° W. longitude:								
Off Newfoundland					240,000	14,400	315,280	$12,110
Cape Shore	19,820	595	109,400	5,470				
West of 66° W. longitude:								
Georges Bank					6,530	1,175		
Off Chatham	669,030	30,082	6,200	417				
Shore, general	9,251,928	299,168	734,460	38,536	1,003,770	40,087		
Total	9,940,778	329,845	850,060	44,423	1,250,300	55,662	315,280	12,110
LANDED AT PORTLAND								
East of 66° W. longitude:								
Western Bank					8,290	80		
Quereau Bank					1,040	21		
Cape Shore					39,687	9,469		
West of 66° W. longitude:								
Browns Bank					6,820	1,149		
Georges Bank					249,544	48,304		
Cashes Bank					12,229	275		
Fippenies Bank					2,897	82		
Middle Bank	81,947	2,204						
Platts Bank					8,506	265		
Jeffreys Ledge	241,870	8,998	11,800	236	142,335	2,884		
South Channel					20,817	292		
Off Highland Light	128,400	4,518						
Shore, general	1,477,635	42,662	11,440	494	765,828	9,749		
Total	1,929,852	58,382	23,240	730	1,257,993	72,570		
Grand total	35,123,355	1,350,831	1,109,300	55,654	11,195,814	878,915	315,280	12,110

Statement, by fishing grounds, of quantities and values of certain fishery prod landed at Boston and Gloucester, Mass., and Portland, Me., by American fis vessels, 1926—Continued

Fishing grounds	Total				Grand tota	
	Fresh		Salted			
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Va*
LANDED AT BOSTON						
East of 66° W. longitude:						
La Have Bank	3,293,538	$159,684			3,293,538	$15
Western Bank	3,209,897	126,341	8,000	$333	3,217,897	12
Quereau Bank	475,849	85,018			475,849	8
Green Bank	143,630	23,218			143,630	2
Grand Bank	132,840	22,411			132,840	2
St. Peters Bank	282,444	54,029			282,444	5
Burgeo Bank	14,278	2,368			14,278	
Cape Shore	2,719,840	135,442	106,600	3,200	2,826,440	13
Labrador Coast	21,511	3,667			21,511	
West of 66° W. longitude:						
Browns Bank	10,949,224	517,722			10,949,224	51
Georges Bank	31,073,820	1,644,375			31,073,820	1,64
Cashes Bank	385,967	13,401			385,967	1
Clark Bank	98,131	4,248			98,131	
Fippenies Bank	61,984	3,864			61,984	
Middle Bank	4,190,833	178,222			4,190,833	17
Jeffreys Ledge	2,754,056	132,243	7,600	696	2,761,656	13
South Channel	67,894,027	2,368,000	28,690	1,117	67,922,717	2,36
Nantucket Shoals	10,141,719	304,822			10,141,719	30
Off Highland Light	1,725,378	79,652	28,800	1,778	1,754,178	8
Off Chatham	7,867,868	346,701	19,400	1,124	7,887,268	34
Seal Island	64,050	2,009			64,050	
South	111,850	7,255			111,850	
Shore, general	19,448,402	776,599	57,600	3,063	19,506,002	77
Total	167,061,136	6,991,291	256,690	11,311	167,317,826	7,00
LANDED AT GLOUCESTER						
East of 66° W. longitude:						
La Have Bank	1,214,840	21,919	268,645	11,924	1,483,485	3
Western Bank	20,689,378	438,123	2,950,149	127,408	23,639,527	56
Quereau Bank	133,120	1,958	158,125	7,181	291,245	
Green Bank	10,615	238	3,397	146	14,012	
Grand Bank	24,225	479	144,945	6,115	169,170	
St. Peters Bank	87,225	1,333	93,125	4,460	180,350	
Burgeo Bank	2,950	61	18,840	891	21,790	
Off Newfoundland	240,000	14,400	315,280	12,110	555,280	2
Cape Shore	130,225	2,843	109,400	5,470	239,625	
West of 66° W. longitude:						
Browns Bank	1,541,737	28,519	124,243	5,785	1,665,980	3
Georges Bank	4,290,402	89,008	742,130	35,319	5,032,532	12
South Channel	1,735,455	17,749			1,735,455	1
Nantucket Shoals	1,528,455	15,270			1,528,455	1
Off Chatham	669,030	30,082	6,200	417	675,230	3
Shore, general	16,923,888	572,105	744,800	38,898	17,668,688	61
Total	49,221,545	1,234,087	5,679,279	256,124	54,900,824	1,49
LANDED AT PORTLAND						
East of 66° W. longitude:						
La Have Bank	68,427	1,438			68,427	
Western Bank	2,546,843	58,391	122,858	2,740	2,669,701	6
Quereau Bank	163,297	27,007	75,945	3,691	239,242	3
Grand Bank	77,554	12,033			77,554	1
Cape Shore	39,687	9,469			39,687	
Gulf of St. Lawrence	59,622	11,084			59,622	1
The Gully	79,831	13,991	1,410	62	81,241	1
Labrador Coast	21,113	4,549			21,113	
West of 66° W. longitude:						
Browns Bank	124,235	5,580			124,235	
Georges Bank	737,344	57,288			737,344	5
Cashes Bank	941,407	32,864	14,625	670	956,032	3
Fippenies Bank	42,515	1,636			42,515	
Middle Bank	121,692	3,095			121,692	
Platts Bank	866,966	36,781			866,966	3
Jeffreys Ledge	2,459,916	89,694	11,800	236	2,471,716	8
South Channel	2,161,234	42,117	360	17	2,161,594	4
Nantucket Shoals	189,500	2,843			189,500	
Off Highland Light	128,400	4,518			128,400	
Shore, general	5,134,331	153,196	16,661	770	5,150,992	15
Total	15,963,914	567,574	243,659	8,186	16,207,573	57
Grand total	232,246,595	8,792,952	6,179,628	275,621	238,426,223	9,06

NOTE.—The items under "Miscellaneous" include bluebacks, 7,300 pounds, value $144; butter 33,499 pounds, value $4,537; flounders, 6,778,965 pounds, value $324,398; herring, fresh, 1,265,570 pou value $27,290; herring, salted, 315,280 pounds, value $12,110; "perch" or cunner, 35 pounds, value $1; fish, 65,620 pounds, value $985; salmon, 156 pounds, value $24; shad, 1,233 pounds, value $93; sharks, 2 pounds, value $671; skates, 20,425 pounds, value $522; sturgeon, 1,161 pounds, value $294; swordfish, 2,44 pounds, value $492,629; whiting, 26,280 pounds, value $774; wolf fish, 385,674 pounds, value $12,385; lob 8 pounds, value $2; squid, 6,295 pounds, value $80; scallops, 40 pounds, value $16; livers, 3,080 pounds, v $67; and spawn, 135,737 pounds, value $14,003.

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926

Months	Number of trips	Cod							
		Large (10 pounds and over)				Market (under 10 and over 2½ pounds)			
		Fresh		Salted		Fresh		Salted	
		Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON									
January	308	2,979,695	$127,549			979,366	$33,655		
February	331	4,560,200	197,891			380,753	19,872		
March	361	5,585,665	194,058			430,322	18,258		
April	316	2,169,153	79,394			630,640	17,589		
May	303	1,960,779	61,134			639,070	14,018		
June	497	2,445,333	100,153	4,710	$122	888,944	23,933	2,020	$61
July	501	1,607,215	67,118			895,950	20,555		
August	473	2,455,607	99,981			1,012,280	22,614		
September	411	2,391,531	102,285	6,200	279	869,503	22,399		
October	405	2,511,608	107,648	1,800	54	882,688	23,676	140	3
November	375	1,922,472	114,419			998,985	27,631		
December	288	1,199,091	90,687	1,270	152	626,180	27,530	1,130	68
Total	4,569	31,788,349	1,342,317	13,980	607	9,234,681	271,730	3,290	132
LANDED AT GLOUCESTER									
January	164	161,770	9,521			12,950	807		
February	97	119,350	6,829			19,080	1,128		
March	315	2,373,755	78,605	20,995	1,089	60,180	1,584	12,215	439
April	281	1,779,925	62,114	54,255	2,737	175,170	3,327	13,100	539
May	252	5,145,685	121,846	333,277	16,386	736,850	13,002	59,940	2,345
June	186	3,717,715	87,640	480,256	22,686	877,760	14,363	149,734	5,565
July	182	4,489,710	100,922	1,437,745	66,319	279,535	4,773	253,095	8,741
August	256	4,947,525	106,546	1,069,714	49,104	254,940	4,150	123,395	4,016
September	271	2,004,502	43,254	280,270	12,072	189,015	2,880	27,803	924
October	199	618,305	17,524	76,540	3,536	146,825	2,542	5,025	184
November	228	111,330	6,008	5,860	293	48,560	932	585	23
December	234	131,370	9,569			22,135	362		
Total	2,665	25,600,942	650,378	3,778,912	174,222	2,823,000	49,850	644,892	22,776
LANDED AT PORTLAND									
January	95	46,052	2,320			34,677	1,339		
February	86	66,685	3,790			60,663	2,645		
March	94	1,072,667	22,869	1,400	71	65,288	2,228	828	33
April	159	623,330	15,370	10,195	390	58,807	1,525	5,230	167
May	137	596,986	14,672	12,680	599	35,915	710	4,515	161
June	129	328,024	14,360	2,050	91	12,630	333	335	12
July	151	323,939	14,096			15,490	324		
August	214	136,445	7,061			10,426	258		
September	84	60,859	2,487			6,585	177		
October	83	164,969	5,395	70,001	3,522	25,668	732	5,260	236
November	104	101,521	5,026			37,581	1,119		
December	125	101,442	6,863			45,920	1,589		
Total	1,461	3,622,919	114,309	96,326	4,673	409,650	12,979	16,168	609
Grand total	8,695	61,012,210	2,107,004	3,889,218	179,502	12,467,331	334,559	664,350	23,517
Grounds east of 66° West long	538	24,342,510	591,196	3,155,352	142,962	3,089,252	58,681	519,282	17,900
Grounds west of 66° West long	8,157	36,669,700	1,515,808	733,866	36,540	9,378,079	275,878	145,068	5,617
Landed at Boston in 1925	4,404	26,578,740	1,141,069	16,250	721	9,535,417	293,541		
Landed at Gloucester in 1925	2,491	19,798,595	536,900	2,262,544	108,046	3,858,685	74,093	686,548	28,265
Landed at Portland in 1925	1,509	3,602,737	112,596	126,948	5,849	523,818	15,372	32,150	1,247

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Months	Cod—Continued				Haddock			
	Scrod (1 to 2½ pounds)				Large (over 2½ pounds)			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
January	12,260	$229			5,623,418	$298,289		
February	2,970	105			6,860,457	427,854		
March	8,220	292			8,771,485	390,271		
April	3,190	41			6,894,610	204,985		
May	420	4			4,473,825	110,156		
June					5,127,070	106,635		
July	800	10			3,464,438	82,205		
August	750	8			4,740,695	92,977		
September	6,790	83			5,361,335	129,151		
October	4,840	60			6,616,235	190,491		
November	6,850	75			7,229,305	212,931		
December	14,085	243			6,292,110	345,935		
Total	61,175	1,150			71,454,983	2,591,880		
LANDED AT GLOUCESTER								
February					5,340	376		
March					448,595	7,688		
April	260	3			806,365	17,800		
May	6,200	62			1,362,782	21,120	835	$21
June			2,155	$53	1,092,143	11,152	360	7
July			5,645	162	33,250	336		
August			255	6	493,680	4,925	1,200	24
September	265	3			561,230	5,809		
October					443,685	5,079		
November	310	3			161,830	2,519		
December					27,890	449		
Total	7,035	71	8,055	221	5,436,790	77,253	2,395	52
LANDED AT PORTLAND								
January	8,835	177			224,152	14,174		
February	11,985	187			175,013	12,864		
March	11,013	145			880,777	20,972	74,085	1,473
April	8,248	90	11,890	191	1,187,812	24,156		
May	3,530	26	7,765	155	1,705,211	29,313		
June	1,480	9			83,076	2,580		
July	1,160	7			121,733	4,159		
August	1,825	12			174,150	5,823		
September	3,115	18			141,627	5,665		
October	8,241	48	496	16	395,915	12,562	45	1
November	13,905	89			395,534	13,869		
December	15,841	285			355,842	21,985		
Total	89,178	1,093	20,151	362	5,840,842	168,122	74,130	1,474
Grand total	157,388	2,314	28,206	583	82,732,615	2,837,255	76,525	1,526
Grounds east of 66° West long	16,095	164	27,850	569	3,406,348	76,818	76,295	1,521
Grounds west of 66° West long	141,293	2,150	356	14	79,326,267	2,760,437	230	5
Landed at Boston in 1925	84,620	1,443			61,388,177	2,098,724		
Landed at Gloucester in 1925	13,210	142	9,179	296	8,522,510	136,652	24,090	601
Landed at Portland in 1925	101,195	1,163	19,494	495	7,379,198	212,361	385	10

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Months	Haddock—Continued				Hake			
	Scrod (1 to 1½ pounds)				Large (6 pounds and over)			
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
January	983,678	$35,672			83,165	$5,559		
February	568,030	28,017			68,720	4,971		
March	854,245	32,705			32,660	2,947		
April	901,280	17,303			30,900	2,080		
May	664,825	8,546			41,065	2,125		
June	524,820	5,860			142,490	5,270	3,120	$65
July	811,615	7,947			519,555	8,167		
August	779,800	6,535			383,540	7,378		
September	864,510	13,923			691,375	13,733		
October	1,320,915	21,293			930,145	15,498	300	6
November	1,330,590	25,932			810,024	13,911		
December	803,585	32,676			522,708	20,805		
Total	10,407,893	236,409			4,256,347	102,444	3,420	71
LANDED AT GLOUCESTER								
March	66,895	1,269						
April	25,700	320			435	4		
May	94,305	759			3,660	37	2,190	44
June	218,045	1,636			5,340	54	1,340	27
July	9,400	71			4,635	47	2,065	41
August	88,775	667			60,730	677	6,960	140
September	66,435	413			61,880	1,101	4,510	99
October	140,470	1,054			17,745	233		
November	485	5			19,780	323		
December					600	6		
Total	710,510	6,194			174,805	2,482	17,065	351
LANDED AT PORTLAND								
January	9,998	201						
February	11,885	257			1,410	85		
March	6,112	126	800	$16	160	11		
April	5,482	57						
May	4,420	37			5,405	121		
June	5,910	42			1,125	32		
July	8,036	45						
August	12,615	89						
September	12,540	92						
October	20,821	127			1,900	57	1,500	45
November	17,307	162			3,840	85		
December	17,265	289			1,055	51		
Total	132,391	1,524	800	16	14,895	442	1,500	45
Grand total	11,250,794	244,127	800	16	4,446,047	105,368	21,985	467
Grounds east of 66° West long	41,975	675	800	16	111,140	2,169	16,480	358
Grounds west of 66° West long	11,208,819	243,452			4,334,907	103,199	5,505	109
Landed at Boston in 1925	12,893,075	279,686			1,702,913	70,252		
Landed at Gloucester in 1925	1,034,835	10,506			303,815	4,832	15,880	366
Landed at Portland in 1925	643,220	9,180	770	21	16,650	518		

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Months	Hake—Continued				Pollock			
	Small (under 6 pounds)							
	Fresh		Salted		Fresh		Salted	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
LANDED AT BOSTON								
January	79,770	$5,689			350,905	$11,946		
February	106,275	7,591			158,060	8,863		
March	48,677	4,551			117,629	5,905		
April	17,945	1,135			104,290	6,039		
May	22,935	925			73,450	2,354		
June	27,150	945			158,072	4,061		
July	69,950	1,529			133,940	3,184		
August					293,268	7,220		
September					285,796	7,284		
October					418,755	7,737		
November	35,865	385			520,338	8,290		
December	5,360	192			489,220	12,890		
Total	413,927	22,942			3,103,723	85,773		
LANDED AT GLOUCESTER								
January					170,630	6,725		
February					5,905	473		
March					6,355	64		
April					13,860	138	185	$4
May					39,535	395	875	18
June					29,225	319	3,705	74
July					21,425	289	5,575	104
August					22,795	237	5,565	111
September					99,440	1,946	6,900	155
October					405,320	5,094	830	17
November					943,020	11,397		
December					1,077,905	26,733		
Total					2,835,415	53,810	23,635	483
LANDED AT PORTLAND								
January	36,700	1,891			13,782	376		
February	23,653	1,147			18,307	618		
March	17,392	677			24,770	515	1,859	46
April	13,069	386			9,574	288	4,570	115
May	49,803	1,354			32,307	786	3,775	89
June	14,743	334			117,624	2,157		
July	31,385	529			169,500	2,491		
August	30,650	518			85,755	1,327		
September	50,700	1,131			45,195	684		
October	68,270	1,714	470	$9	54,543	836	500	13
November	186,738	3,941			125,775	1,764		
December	99,087	3,834			68,905	1,514		
Total	622,190	17,456	470	9	766,037	13,356	10,704	263
Grand total	1,036,117	40,398	470	9	6,705,175	152,939	34,339	746
Grounds east of 66° West long	5,950	126	470	9	258,510	3,842	26,200	580
Grounds west of 66° West long	1,030,167	40,272			6,446,665	149,097	8,139	166
Landed at Boston in 1925	2,943,428	75,633			2,759,539	91,363		
Landed at Gloucester in 1925					1,790,499	42,115	32,292	809
Landed at Portland in 1925	822,069	22,043	965	22	692,523	12,951	15,020	344

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Months	Cusk				Halibut			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
January	177,040	$5,804			19,362	$8,052		
February	131,995	6,412			47,148	14,151		
March	147,105	5,354			129,140	27,794		
April	134,060	3,326			178,715	41,943		
May	81,930	1,582			542,669	92,945		
June	50,040	1,225			568,600	113,473		
July	19,330	433			271,951	51,792		
August	94,155	1,599			533,059	93,811		
September	58,935	1,253			359,819	72,477		
October	77,925	1,612			237,874	46,275		
November	269,865	4,632			68,506	17,270		
December	190,030	5,425			10,559	4,719		
Total	1,432,410	38,657			2,967,402	584,702		
LANDED AT GLOUCESTER								
February					9,860	2,958		
April	19,450	220						
May	23,795	286	50	$1				
June	1,255	19	5,710	123			2,695	$358
July	116,330	1,676	6,715	199			1,700	190
August	126,085	1,813	19,525	526			335	32
September	40,010	551	2,055	52				
October	91,780	849	200	5				
November	13,405	170						
Total	432,110	5,584	34,255	906	9,860	2,958	4,730	580
LANDED AT PORTLAND								
January	62,717	2,338			753	160		
February	136,825	5,350			1,357	355		
March	243,640	7,089	30	$1	4,320	649		
April	129,683	3,928			28,136	5,499		
May	143,959	2,287			84,786	14,460		
June	13,941	314			41,389	7,282		
July	2,322	59			84,063	15,724		
August	818	23			81,247	13,455		
September	7,539	192			44,892	9,375		
October	15,254	387	140	4	56,620	11,427		
November	24,779	595			20,513	4,337		
December	47,525	1,869			889	187		
Total	829,002	24,431	170	5	448,965	82,910		
Grand total	2,693,522	68,672	34,425	911	3,426,227	670,570	4,730	580
Grounds east of 66° West long.	319,835	4,512	17,980	456	1,898,101	351,283	4,730	580
Grounds west of 66° West long	2,373,687	64,160	16,445	455	1,528,126	319,287		
Land at Boston in 1925	1,899,147	47,184			2,837,875	535,435		
Landed at Gloucester in 1925	646,485	9,098	82,830	1,714	103,428	10,897	7,580	434
Landed at Portland in 1925	1,060,388	26,301	24,000	300	612,159	108,404	60	2

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Months	Mackerel				Miscellaneous[1]			
	Fresh		Salted		Fresh		Salted	
LANDED AT BOSTON	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
January					704,052	$38,025		
February					560,277	35,064		
March					850,908	48,023		
April	12,350	$2,118			710,147	27,023		
May	1,109,775	65,443			650,655	14,103		
June	4,711,618	216,766	107,400	$3,248	851,350	68,470		
July	6,196,953	189,413	42,600	2,049	1,417,683	220,860		
August	4,874,776	130,132	38,800	2,502	876,519	149,757		
September	3,302,820	164,542	45,800	2,613	459,068	46,239		
October	1,745,138	107,995	1,400	89	342,510	22,479		
November	1,293,545	85,234			601,130	37,078		
December	5,750	961			663,222	43,562		
Total	23,252,725	962,604	236,000	10,501	8,687,521	750,683		
LANDED AT GLOUCESTER								
January					480,710	27,692		
February					176,560	9,682		
March					110,840	4,499		
April					2,560	86		
May	19,460	1,260			3,230	65		
June	442,290	18,917	109,400	5,470	27,600	414		
July	2,451,740	53,861	330,800	16,382				
August	3,454,040	76,704	323,380	17,424	41,730	1,593		
September	1,776,320	53,291	80,280	4,730	105,200	1,315		
October	855,073	49,250	6,200	417	25,190	830		
November	926,815	73,593			58,830	1,239		
December	15,040	2,969			217,850	8,247	315,280	$12,110
Total	9,940,778	329,845	850,060	44,423	1,250,300	55,662	315,280	12,110
LANDED AT PORTLAND								
January					7,897	268		
February					18,972	579		
March					34,320	601		
April					15,426	219		
May	2,625	197			9,597	111		
June	37,686	3,407	310	25	97,560	1,536		
July	235,347	7,920			237,608	29,881		
August	1,385,307	33,599	11,130	469	245,397	23,111		
September	244,580	10,923	11,800	236	131,451	10,920		
October	24,307	2,336			343,473	3,817		
November					83,138	570		
December					33,154	957		
Total	1,929,852	58,382	23,240	730	1,257,993	72,570		
Grand total	35,123,355	1,350,831	1,109,300	55,654	11,195,814	878,915	315,280	12,110
Grounds east of 66° West long.	1,970,589	88,403	216,000	8,670	422,474	53,625	315,280	12,110
Grounds west of 66° West long.	33,152,766	1,262,428	893,300	46,984	10,773,340	825,290		
Landed at Boston in 1925	18,087,423	836,833	299,200	22,139	8,012,694	610,255		
Landed at Gloucester in 1925	5,236,537	172,822	1,789,943	132,373	852,122	35,354	2,400,336	84,265
Landed at Portland in 1925	790,757	26,516	6,000	469	1,888,318	64,548		

[1] Includes herring from Newfoundland, 240,000 pounds fresh, value $14,400, and 315,280 pounds salted, value $12,110.

Statement, by months, of quantities and values of certain fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by American fishing vessels, 1926—Continued

Months	Total				Grand total	
	Fresh		Salted			
LANDED AT BOSTON	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
January	11,992,711	$570,469			11,992,711	$570,469
February	13,444,885	750,791			13,444,885	750,791
March	16,976,056	730,158			16,976,056	730,158
April	11,787,280	402,976			11,787,280	402,976
May	10,261,398	373,335			10,261,398	373,335
June	15,495,487	646,791	117,250	$3,496	15,612,737	650,287
July	15,409,380	653,213	42,600	2,049	15,451,980	655,262
August	16,044,449	612,012	38,800	2,502	16,083,249	614,514
September	14,651,482	573,369	52,000	2,892	14,703,482	576,261
October	15,088,633	544,764	3,640	152	15,092,273	544,916
November	15,087,475	547,788			15,087,475	547,788
December	10,821,900	585,625	2,400	220	10,824,300	585,845
Total	167,061,136	6,991,291	256,690	11,311	167,317,826	7,002,602
LANDED AT GLOUCESTER						
January	826,060	44,745			826,060	44,745
February	336,095	21,446			336,095	21,446
March	3,066,620	93,709	33,210	1,528	3,099,830	95,237
April	2,823,725	84,012	67,540	3,280	2,891,265	87,292
May	7,435,502	158,832	397,167	18,815	7,832,669	177,647
June	6,411,373	134,514	755,355	34,363	7,166,728	168,877
July	7,406,025	161,975	2,043,340	92,138	9,449,365	254,113
August	9,490,300	197,312	1,570,329	71,383	11,060,629	268,695
September	4,904,297	110,563	401,818	18,032	5,306,115	128,595
October	2,744,393	82,455	88,795	4,159	2,833,188	86,614
November	2,284,365	96,189	6,445	316	2,290,810	96,505
December	1,492,790	48,335	315,280	12,110	1,808,070	60,445
Total	49,221,545	1,234,087	5,679,279	256,124	54,900,824	1,490,211
LANDED AT PORTLAND						
January	445,563	23,244			445,563	23,244
February	526,755	27,877			526,755	27,877
March	2,360,459	55,882	79,002	1,640	2,439,461	57,522
April	2,079,567	51,518	31,885	863	2,111,452	52,381
May	2,674,544	64,074	28,735	1,004	2,703,279	65,078
June	755,188	32,386	2,695	128	757,883	32,514
July	1,230,583	75,235			1,230,583	75,235
August	2,164,635	85,276	11,130	469	2,175,765	85,745
September	749,083	41,664	11,800	236	760,883	41,900
October	1,179,981	39,438	78,412	3,846	1,258,393	43,284
November	1,010,631	31,557			1,010,631	31,557
December	786,925	39,423			786,925	39,423
Total	15,963,914	567,574	243,659	8,186	16,207,573	575,760
Grand total	232,246,595	8,792,952	6,179,628	275,621	238,426,223	9,068,573
Grounds east of 66° West long	35,882,779	1,231,494	4,376,719	185,731	40,259,498	1,417,225
Grounds west of 66° West long	196,363,816	7,561,458	1,802,909	89,890	198,166,725	7,651,348
Landed at Boston in 1925	148,723,048	6,081,418	315,450	22,860	149,038,498	6,104,278
Landed at Gloucester in 1925	42,160,721	1,033,411	7,311,222	357,169	49,471,943	1,390,580
Landed at Portland in 1925	18,133,032	611,953	225,792	8,759	18,358,824	620,712

The fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by fishing vessels each year are taken chiefly from fishing grounds off the coast of the United States. In the calendar year 1926, 83.09 per cent of the quantity and 84.35 per cent of the value were from these grounds; 0.69 per cent of the quantity and 1.79 per cent of the value, consisting principally of cod, halibut, and herring, were from fishing banks off the coast of Newfoundland; and 16.23 per cent of the quantity and 13.86 per cent of the value were from fishing grounds off the Canadian Provinces. Compared with the previous year there was a small decrease in the percentage of products from grounds off the coast of the United States, but a slight increase in the percentage of value; a decrease in the percentage of both quantity and value from grounds off Newfoundland; and an increase in the percentage of quantity, with a decrease in the percentage of value, from grounds off the Canadian Provinces. Newfoundland herring constituted less than 0.5 per cent of the quantity and value of the fishery products landed at these ports by fishing vessels during the year. The herring were taken from the treaty coast of Newfoundland, and the cod, halibut, and other species from that region were obtained from fishing banks on the high seas. All fish caught by American fishing vessels off the coasts of the Canadian Provinces were from offshore fishing grounds. The catch from each of these regions is shown in the following table:

Quantity and value of fish landed by American fishing vessels at Boston and Gloucester, Mass., and Portland, Me., in 1926, from fishing grounds off the coasts specified

Species	United States		Newfoundland		Canadian Provinces		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod:								
Fresh	46,173,152	$1,793,055	123,590	$2,161	27,340,187	$648,661	73,636,929	$2,443,877
Salted	879,290	42,171	252,452	11,282	3,450,032	150,149	4,581,774	203,602
Haddock:								
Fresh	90,492,286	3,002,791			3,491,123	78,591	93,983,409	3,081,382
Salted	230	5			77,095	1,537	77,325	1,542
Hake:								
Fresh	5,362,299	143,429	2,180	23	117,685	2,314	5,482,164	145,766
Salted	5,505	109	4,070	81	12,880	286	22,455	476
Pollock:								
Fresh	6,446,565	149,096	1,655	18	256,955	3,825	6,705,175	152,939
Salted	8,139	166	80	2	26,120	578	34,339	746
Cusk:								
Fresh	2,371,737	64,140	1,090	14	320,695	4,518	2,693,522	68,672
Salted	16,445	455	2,005	57	15,975	399	34,425	911
Halibut:								
Fresh	1,527,696	319,222	688,894	121,917	1,209,637	229,431	3,426,227	670,570
Salted			1,700	190	3,030	390	4,730	580
Mackerel:								
Fresh	33,152,766	1,262,428			1,970,589	88,403	35,123,355	1,350,831
Salted	893,300	46,984			216,000	8,670	1,109,300	55,654
Herring:								
Fresh	1,025,570	12,890	240,000	14,400			1,265,570	27,290
Salted			315,280	12,110			315,280	12,110
Swordfish, fresh	2,280,604	453,850	976	253	160,099	38,526	2,441,679	492,629
Miscellaneous, fresh	7,467,091	358,548			21,474	448	7,488,565	358,996
Total	198,102,675	7,649,339	1,633,972	162,508	38,689,576	1,256,726	238,426,223	9,068,573

SPECIES

Cod.—In 1926 there were 6 vessels in the salt-bank fishery, or 3 more than in the previous year, and 105 in the market fishery, or 5 more than in the previous year. These vessels landed their fares of cod, haddock, and other ground fish at these ports during the year,

and large quantities were landed by vessels fishing on the shore grounds. The catch of cod landed at these ports during the year was 78,218,703 pounds, valued at $2,647,479, of which 73,636,929 pounds, valued at $2,443,877, were fresh and 4,581,774 pounds, valued at $203,602, were salted. Cod ranked second in both quantity and value among the various species.

Haddock. Haddock ranked first in both quantity and value, the catch exceeding that of cod by 15,842,031 pounds and $435,445 in value. The quantity of haddock landed at these ports by fishing vessels during the year amounted to 94,060,734 pounds, valued at $3,082,924, all fresh except 77,325 pounds, valued at $1,542, salted. These fish were taken chiefly from Browns Bank, Georges Bank, South Channel, Nantucket Shoals, and the shore grounds, and about 56 per cent of the quantity and 53 per cent of the value were taken in the otter-trawl fishery. South Channel, from which the largest quantity of haddock was taken, produced 53,220,878 pounds, valued at $1,688,717. The greater part of the catch, or 81,862,876 pounds, valued at $2,828,289, was landed at Boston.

Hake.—The catch of hake amounted to 5,504,619 pounds, valued at $146,242, all landed fresh except 22,455 pounds, valued at $476, salted. Of this catch, 4,673,694 pounds, valued at $125,457, were landed at Boston; 191,870 pounds, valued at $2,833, at Gloucester; and 639,055 pounds, valued at $17,952, at Portland. More than half the catch, or 3,586,819 pounds, valued at $87,385, was taken in South Channel.

Pollock.—The catch of pollock amounted to 6,739,514 pounds, valued at $153,685, all landed fresh except 34,339 pounds, valued at $476, salted. The greater part of the catch was taken from Georges Bank, South Channel, and shore grounds and was landed chiefly at Boston and Gloucester.

Cusk.—The catch of cusk was 2,727,947 pounds, valued at $69,583, all landed fresh except 34,425 pounds, valued at $911, salted. The greater part of the catch was landed at Boston. Compared with the previous year there was a decrease in the catch of this species of 984,903 pounds and of $15,014 in the value.

Halibut.—The catch of halibut amounted to 3,430,957 pounds, valued at $671,150, all landed fresh except 4,730 pounds, valued at $580, salted. Compared with the previous year there was a decrease in the catch landed of 3.65 per cent in quantity and an increase of 2.44 per cent in value. The quantity landed at Boston was 2,967,402 pounds, valued at $584,702; at Gloucester, 14,590 pounds, valued at $3,538; and at Portland, 448,965 pounds, valued at $82,910.

Mackerel.—The total catch of fresh mackerel taken by the American fishing fleet in 1926 was 304,490 barrels, or 45,673,500 pounds, compared with 203,961 barrels, or 30,594,150 pounds, in 1925, an increase of 100,529 barrels, or 15,079,350 pounds. The total catch of salted mackerel landed by the fishing fleet was 5,380 barrels, or 1,076,000 pounds; compared with 12,442 barrels, or 2,488,400 pounds, in 1925, this is a decrease of 7,062 barrels, or 1,412,400 pounds. In 1926 about 16,000 barrels of salted mackerel were prepared from mackerel landed fresh, as compared with about 20,000 barrels in 1925. The quantity of mackerel landed at Boston, Gloucester, and Portland by fishing vessels during the year was 36,232,655 pounds, valued at $1,406,485, of which 35,123,355 pounds, valued at $1,350,831, were

fresh and 1,109,300 pounds, valued at $55,654, were salted. There was an increase in the total catch of mackerel landed by fishing vessels at these ports of 10,022,795 pounds and of $215,333 in value, as compared with 1925.

In 1926 the catch of mackerel up to July 1 was 93,798 barrels fresh and 1,352 barrels salted, compared with 46,934 barrels fresh and 1,075 barrels salted for the same period in 1925. The southern mackerel seiners had a very successful season, but the netters had very poor success, which was largely due to the fact that the prices were low most of the time. The seining fleet numbered about 50 vessels, compared with 33 vessels the previous year. The increase consisted largely of small vessels. The netting fleet also numbered about 50 vessels. The first seiners arrived at Cape May on April 11, which was Sunday. The next day (Monday) there were 11 vessels having 142,000 pounds of fresh mackerel. These fish weighed from 1 to 2¼ pounds each, but mostly from 1¼ to 1½ pounds each. They were caught 85 miles southeast of Cape May and were shipped to New York and Boston, where they were sold at 22 to 25 cents per pound.

The first netters arrived at Cape May and New York on April 28. stormy weather prevailed soon after the first catches were made, and a large number of vessels lost seines and seine boats and had to take time to replace them. The first arrivals last year were at Cape May on April 13, when five vessels arrived with a total of 87,000 pounds of mackerel, weighing about 1 pound each, which were sold at 23 to 25 cents per pound. This year the first arrival at Boston, direct from the south, was on May 10, consisting of 70,000 pounds of large and medium fresh mackerel caught off Barnegat, N. J., which were sold at 5½ cents per pound. The first arrival in the previous season was on May 6, consisting of 3,000 pounds of large and medium-sized fresh mackerel caught 60 miles southeast of Atlantic City, which sold at 19 cents per pound.

The first mackerel taken in New England waters this year were three fish caught in a trap net at Seaconnet, in the vicinity of Newport, R. I., on April 28, two days earlier than the first taken the previous year. The traps at Rockport, Mass., contained eight mackerel on May 20—the first of the season in that locality. Nine mackerel were taken in a trap net at Yarmouth, Nova Scotia, on May 19, the first of the season on that shore. The first taken last year in that locality consisted of 53 fish on May 20.

The Cape Shore fleet numbered about 48 vessels. The first arrival was on June 2, five days later than the first arrival last year, and consisted of 25,000 pounds of large and medium mackerel caught off Halifax, Nova Scotia, which were sold at 13 cents per pound. It was reported that the weather had been bad and that the mackerel were in small schools.

The Cape Shore catch of mackerel for the past five years, shown in pounds, was as follows:

Year	Trips	Fresh	Salted
1926	54	2,397,700	270,400
1925	34	1,545,000	215,000
1924	24	996,000	170,800
1923	31	1,240,680	42,200
1922	37	1,353,900	468,800

Swordfish.—The catch of swordfish amounted to 2,441,679 pounds, valued at $492,629, all sold fresh. There were 40 vessels engaged in this fishery, or 1 less than in the previous year. There was an increase in the catch, as compared with the previous year, of 63.16 per cent in quantity and 27.65 per cent in value.

Flounders.—The catch of flounders taken in the vessel fisheries amounted to 6,778,965 pounds, valued at $324,398, an increase over the previous year of 140,993 pounds, or 2.12 per cent, in quantity and of $48,611, or 17.63 per cent, in value. The catch taken by boats under 5 tons net tonnage is not included in these statistics.

Herring.—The catch of herring amounted to 1,580,850 pounds, valued at $39,400. Of this quantity 1,025,570 pounds, valued at $12,890, were taken off the coast of the United States and were landed fresh. The remainder, consisting of 240,000 pounds fresh, valued at $14,400, and 315,280 pounds salted, valued at $12,110, were Newfoundland herring.

OTTER-TRAWL FISHERY

In 1926 there were 667 trips landed at Boston, Gloucester, and Portland by 30 otter-trawl vessels, amounting to 61,175,851 pounds of fish having a value, as landed, of $2,004,333, or 25.66 per cent of the quantity and 22.13 per cent of the value of the total catch landed by fishing vessels at these ports during the year. In making these trips, including the date of departure and date of arrival, the vessels were absent from port 5,336 days. The catch included cod, 5,203,911 pounds, valued at $190,296; haddock, 52,405,653 pounds, valued at $1,619,326; hake, 894,885 pounds, valued at $34,607; pollock, 1,099,741 pounds, valued at $37,572; cusk, 23,997 pounds, valued at $1,685; halibut, 68,144 pounds, valued at $17,953; and other species 1,479,520 pounds, valued at $102,894. In these statistics the small quantities of salted fish landed (such as cod, haddock, hake, pollock, and cusk) have been reduced to the basis of weights of fresh fish. Otter trawls catch chiefly haddock, and in 1926 their catch amounted to 55.71 per cent of the quantity and 52.53 per cent of the value of the entire catch of this species landed by fishing vessels at these ports. The otter-trawl catch was taken from Western Bank, Georges Bank, South Channel, Nantucket Shoals, off Highland Light, and off Chatham. Over 73 per cent of the quantity and nearly 79 per cent of the value were from South Channel. Compared with 1925, there was an increase of one vessel and 60 trips in the otter-trawl fishery, There was also an increase of 6,569,933 pounds, or 12.03 per cent, in the quantity and $321,565, or 19.11 per cent, in the value of the fish landed.

The following tables give the catch landed by steam otter trawlers at these ports in 1926, by fishing grounds and by months, and also the catch of cod, haddock, and hake landed by them in various years.

Fishery products landed at Boston and Gloucester, Mass., and Portland, Me., by otter trawlers in 1926

[Salt fish have been reduced to the basis of weights of fresh fish]

Item	Trips	Days absent	Cod		Haddock		Hake		Pollock	
BY FISHING GROUNDS										
East of 66° W. longitude:			*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Western Bank	23	279	1,974,635	$40,694	1,479,010	$30,226	880	$49	42,214	$840
West of 66° W. longitude:										
Georges Bank	28	242	330,040	13,367	2,281,010	57,755	7,735	382	15,395	712
South Channel	515	4,034	2,691,321	126,511	39,257,448	1,286,866	770,980	30,039	983,247	33,603
Nantucket Shoals	86	663	132,150	5,204	8,323,200	189,532	104,210	3,285	39,285	1,086
Off Highland Light	1	6	1,600	55	96,400	2,757	1,300	62	500	16
Off Chatham	14	112	74,165	4,465	968,585	52,190	9,780	790	19,100	1,315
Total	667	5,336	5,203,911	190,296	52,405,653	1,619,326	894,885	34,607	1,099,741	37,572
BY MONTHS										
January	61	544	505,295	23,810	3,828,015	176,580	90,735	7,103	224,815	7,811
February	59	493	400,920	21,237	4,186,560	247,131	42,665	3,554	94,565	6,188
March	83	687	1,567,365	44,553	6,630,705	267,151	37,177	3,522	91,504	4,588
April	56	418	690,072	19,389	5,074,020	124,998	19,575	1,447	51,778	3,636
May	52	495	691,874	14,610	5,385,175	92,598	11,045	492	42,209	1,104
June	51	374	119,048	4,214	4,000,920	60,851	65,223	2,576	6,580	237
July	29	195	109,815	3,077	2,401,188	43,071	102,650	1,637	8,820	269
August	37	252	43,630	1,159	3,180,690	43,289	55,115	993	1,195	33
September	33	227	98,645	4,611	2,915,230	61,030	36,655	770	11,575	401
October	56	446	288,837	11,302	4,774,395	111,000	51,800	768	20,800	422
November	71	559	370,345	17,732	5,297,415	139,839	126,080	2,431	170,275	2,762
December	79	646	318,065	24,602	4,731,340	251,788	256,165	9,314	375,625	10,121
Total	667	5,336	5,203,911	190,296	52,405,653	1,619,326	894,885	34,607	1,099,741	37,572

Item	Cusk		Halibut		Miscellaneous		Total	
BY FISHING GROUNDS								
East of 66° W. latitude:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Western Bnak			9,811	$1,397	13,030	$132	3,519,580	$73,338
West of 66° W. longitude:								
Georges Bank	775	$178	3,023	805	41,520	3,580	2,679,498	76,779
South Channel	22,532	1,469	51,275	14,614	1,233,149	88,303	45,009,952	1,581,405
Nantucket Shoals	265	7	2,906	809	145,540	7,841	8,747,556	207,764
Off Highland Light			172	14	2,300	69	102,272	2,973
Off Chatham	425	31	957	314	43,981	2,969	1,116,993	62,074
Total	23,997	1,685	68,144	17,953	1,479,520	102,894	61,175,851	2,004,333
BY MONTHS								
January	6,175	828	4,233	1,577	193,213	16,949	4,852,481	234,658
February	6,600	467	6,633	2,032	154,997	11,056	4,892,940	291,665
March	6,657	249	9,915	2,129	180,883	12,043	8,524,206	334,235
April	1,655	52	7,801	1,566	81,188	4,875	5,926,089	155,963
May	90	2	10,069	1,722	88,010	1,816	6,228,472	112,344
June			2,805	493	114,739	3,368	4,309,315	71,739
July			3,425	723	88,721	3,406	2,714,619	52,183
August			1,003	230	35,400	2,296	3,317,033	48,000
September			3,030	788	21,835	1,839	3,086,970	69,439
October			3,398	967	68,090	6,352	5,207,320	130,811
November	720	16	12,697	4,279	227,787	18,026	6,205,319	185,085
December	2,100	71	3,135	1,447	224,657	20,868	5,911,087	318,211
Total	23,997	1,685	68,144	17,953	1,479,520	102,894	61,175,851	2,004,333

Cod, haddock, and hake landed at Boston and Glouchester, Mass., and Portland, Me., by otter trawlers in various years

Year	Trips	Cod	Haddock	Hake	Year	Trips	Cod	Haddock	Hake
		Pounds	*Pounds*	*Pounds*			*Pounds*	*Pounds*	*Pounds*
1908	44	209,800	1,542,000	46,600	1920	646	6,311,389	51,962,457	
1909	47	159,800	1,719,000	74,400	1921	346	2,482,833	26,734,893	241,650
1910	59	125,850	2,775,000	46,600	1922	578	11,161,947	35,878,524	576,370
1911	178	564,500	7,367,100	151,700	1923	665	14,961,590	35,527,297	471,600
1912	295	1,952,950	12,966,700	105,500	1924	543	8,231,430	35,197,940	616,853
1913	326	1,667,806	12,488,992	209,485	1925	607	7,309,930	44,034,281	711,212
1914	387	1,149,595	15,383,550	259,913	1926	667	5,203,911	52,405,653	894,885

DAYS' ABSENCE

Statistics of the number of days' absence of vessels on fishing trips from Boston and Gloucester, Mass., and Portland, Me., have been collected for 1926. The days absent on each trip were reckoned to include the date of departure and date of arrival. The number of days occupied in fishing by all vessels was 44,236, or an average of 5.09 days per trip. The number of days occupied in fishing by otter trawlers was 5,336, or an average of 8 days per trip. The number of days occupied in fishing and the average number of days per trip by all vessels and also by otter trawlers, separately, differ but little from the previous year. Statistics of the number of days absent from port during the year are presented by months, fishing grounds, and ports for all vessels, including otter trawlers, and for otter trawlers separately, in the following tables:

Days' absence from port of fishing vessels landing fish at Boston and Gloucester, Mass., and Portland, Me., 1926

Fishing grounds	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
BOSTON													
East of 66° W. longitude:													
La Have Bank	147		8	67	87	16	19	123	117	91	173	116	964
Western Bank	34		14	28	377	308	118	280	95	46	21		1,321
Quereau Bank		20	22	28	24	61	25	71	38	43			332
Green Bank					16		23	6	23				68
Grand Bank					29	22	31		16				98
St. Peters Bank			75	27	15	38	11		22	19			207
Burgeo Bank						32							32
Cape Shore	28					843		57	147	20	61	52	1,208
Labrador coast								23					23
West of 66° W. longitude:													
Browns Bank	358	28	52	347	124		90	504	262	111	104	559	2,539
Georges Bank	408	740	1,285	550	457	763	1,306	881	338	298	282	52	7,370
Cashes Bank	8			14	30	15			9		8		84
Clark Bank	8										12		20
Fippenies Bank												19	19
Middle Bank	54	66	63	35			44	135	73	64	51	80	665
Jeffreys Ledge	148	49		7			2	69	18	72	78	90	533
South Channel	453	577	581	380	228	431	704	528	600	1,094	881	659	7,116
Nantucket Shoals	16				163	200	82	222	90	151	275	238	1,437
Off Highland Light						11		11	45	7	83	13	170
Off Chatham	50	105	63	200	70	23	185	23	145	163	65	39	1,131
South				5	10								15
Seal Island											8		8
Shore, general	369	395	564	449	573	827	404	251	258	175	197	174	4,636
Total	2,073	1,980	2,727	2,155	2,203	3,590	3,044	3,184	2,296	2,354	2,299	2,091	29,996
GLOUCESTER													
East of 66° W. longitude:													
La Have Bank				76	74		19	195	108	88	45		605
Western Bank		24		36	566	496	724	605	205	42	23		2,721
Quereau Bank				60	27	99			46	76			308
Green Bank					37								37
Grand Bank					32	28	131	60	32				283
St. Peters Bank			52	26	33		29		23	20			183
Burgeo Bank						60							60
Off Newfoundland	26											75	101
Cape Shore					14	301						26	341
West of 66° W. longitude:													
Browns Bank				141	81			39	138	76	14	11	500
Georges Bank			240	273	254	281	148	140	73	84	8		1,501
South Channel				15	10	76		16	35	37			189
Nantucket Shoals					53	46	8	31					138
Off Chatham						23			4	119			146
Shore, general	227	159	335	250	206	221	420	576	487	195	366	327	3,769
Total	253	183	627	877	1,387	1,631	1,479	1,662	1,151	737	456	439	10,882

Days' absence from port of fishing vessels landing fish at Boston and Gloucester, Mass., and Portland, Me., 1926—Continued

Fishing grounds	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
PORTLAND													
East of 66° W. longitude:													
La Have Bank				9	8								17
Western Bank			61	37	67	26	21	22		12			246
Quereau Bank				28				22	27	25	22		124
Green Bank								43					43
Grand Bank							30						30
Cape Shore									127				127
Gulf of St. Lawrence						28	24						52
The Gully				30	32								62
Labrador coast									23				23
West of 66° W. longitude:													
Browns Bank		6						15				16	37
Georges Bank				9	16		152	145					322
Cashes Bank	12	43	48	42	60	6	4		7	9	2		233
Fippenies Bank		5		4									9
Middle Bank				7			4	2					13
Platts Bank	18	17	20	12					4		56	76	203
Jeffreys Ledge	37	25	9	8	12	4	62	44	82	66	70	83	502
South Channel			50	38	22								110
Nantucket Shoals					8								8
Off Highland Light							14						14
Shore, general	71	41	69	136	140	154	107	216	47	105	67	30	1,183
Total	138	137	257	360	365	218	418	509	317	217	217	205	3,358
Grand total	2,464	2,300	3,611	3,392	3,955	5,439	4,941	5,355	3,764	3,308	2,972	2,735	44,236

Days' absence from port of otter trawlers landing fish at Boston and Gloucester, Mass., and Portland, Me., 1926

Fishing grounds	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
BOSTON													
East of 66° W. longitude:													
Western Bank	34		14	12	45								105
West of 66° W. longitude:													
Georges Bank	67	16	8	5	10				8	27	30		171
South Channel	423	427	502	287	136	125	179	116	191	382	449	533	3,750
Nantucket Shoals	11				110	114	8	89			72	113	517
Off Highland Light						6							6
Off Chatham	9	50	23	15		15							112
Total	544	493	547	319	301	260	187	205	199	409	551	646	4,661
GLOUCESTER													
East of 66° W. longitude:													
Western Bank					24								24
West of 66° W. longitude:													
Georges Bank			29		9						8		46
South Channel				15	10	68		16	28	37			174
Nantucket Shoals					53	46	8	31					138
Total			29	15	96	114	8	47	28	37	8		382
PORTLAND													
East of 66° W. longitude:													
Western Bank			61	37	52								150
West of 66° W. longitude:													
Georges Bank				9	16								25
South Channel			50	38	22								110
Nantucket Shoals					8								8
Total			111	84	98								293
Grand total	544	493	687	418	495	374	195	252	227	446	559	646	5,336

VESSEL FISHERIES AT SEATTLE, WASH.

The vessel fisheries at Seattle, Wash., had a more prosperous year in 1926 than in the previous year. There was an increase in the quantity and value of the products landed by the fishing fleet and also by the collecting vessels. The products landed by fishing vessels showed an increase in the catch of halibut, "lingcod," and rockfishes, but some decrease in the catch of sablefish. In the products landed by collecting vessels there was an increase in the quantity and value of salmon, sturgeon, herring, and steelhead trout, while flounders increased in quantity but decreased in value. There was a decrease in both the quantity and value of all other species. Statistics of the vessel fisheries at Seattle were collected by the local agent and published as monthly and annual statistical bulletins giving the quantity and value of fishery products landed by American fishing and collecting vessels at that port.

In 1926 the fishing fleet at Seattle landed 1,068 trips, amounting to 13,371,610 pounds of fish, having a value to the fishermen of $1,896,677. The catch was taken chiefly from fishing grounds along the coast from Oregon to Portlock Bank, Alaska. Hecate Strait was the most productive of these grounds, the catch amounting to 7,087,930 pounds, valued at $1,128,447. Flattery Banks produced 4,509,580 pounds, valued at $557,411, and the Oregon coast 1,006,400 pounds, valued at $86,397. Smaller quantities were taken from the west coast of Vancouver Island, Yakutat grounds, and Portlock Bank. The products included halibut, 10,050,610 pounds, valued at $1,738,015; sablefish, 2,082,800 pounds, valued at $107,673; "lingcod," 821,250 pounds, valued at $33,356; rockfishes, 398,950 pounds, valued at $16,720; and sturgeon, 18,000 pounds, valued at $913. Compared with 1925, there was an increase of 230 trips and of 375,060 pounds, or 2.89 per cent, in the quantity and $302,379, or 18.97 per cent, in the value of the products landed by fishing vessels.

The fishery products taken in Puget Sound and landed at Seattle by collecting vessels during the year amounted to 19,046,820 pounds, valued at $1,702,064. These products included salmon, 16,979,700 pounds, valued at $1,613,598; herring, 761,000 pounds, valued at $4,585; sturgeon, 10,150 pounds, valued at $1,852; steelhead trout, 110,400 pounds, valued at $11,040; smelt, 160,000 pounds, valued at $16,870; perch, 79,600 pounds, valued at $5,046; rockfishes, 88,250 pounds, valued at $5,010; "lingcod," 48,000 pounds, valued at $1,840; flounders, 81,600 pounds, valued at $1,632; sole, 281,300 pounds, valued at $11,346; and crabs, 446,820 pounds, or 18,510 dozen, valued at $29,245. Compared with 1925, there was an increase in the products landed by collecting vessels of 1,648,910 pounds, or 9.48 per cent, in quantity and $340,545, or 25.01 per cent, in value. The quantity and value of fishery products landed at Seattle by fishing and collecting vessels in 1926 are given in detail in the following tables:

Statement, by fishing grounds and months, of quantities and values of certain fresh fishery products landed at Seattle, Wash., by American fishing vessels during the calendar year 1926

	Number of trips	Halibut		Sablefish		"Lingcod"	
FISHING GROUNDS		*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Oregon coast	53	268,100	$49,879	681,100	$34,003	28,700	$1,165
Flattery Banks	510	2,652,530	467,133	1,050,600	54,892	527,350	23,072
West coast Vancouver Island	2	6,100	2,222			3,100	210
Hecate Strait	483	6,369,380	1,097,041	349,600	18,703	262,100	8,909
Yakutat grounds	6	211,000	35,480				
Portlock Bank	14	543,500	86,260	1,500	75		
Total	1,068	10,050,610	1,738,015	2,082,800	107,673	821,250	33,356
MONTHS							
January	4					21,500	1,895
February	8	20,000	6,322			23,900	1,996
March	131	986,800	173,408	65,450	2,936	86,750	4,036
April	145	1,453,500	234,190	98,150	5,358	113,700	4,000
May	143	1,676,800	282,667	29,400	1,764	130,600	3,408
June	145	1,571,250	271,097	223,200	12,426	108,200	2,406
July	104	1,311,100	229,594	213,000	10,633	41,000	1,230
August	118	1,223,080	204,269	281,300	14,285	62,500	2,220
September	112	886,350	162,265	345,200	17,923	86,800	2,699
October	94	443,780	86,399	557,600	29,317	43,500	1,970
November	57	483,950	87,804	269,500	13,031	52,800	3,055
December	7					50,000	4,444
Total	1,068	10,050,610	1,738,015	2,082,800	107,673	821,250	33,356

	Rockfishes		Sturgeon		Total	
FISHING GROUNDS	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Oregon coast	28,500	$1,350			1,006,400	$86,397
Flattery Banks	268,600	11,776	10,500	$538	4,509,580	557,411
West coast Vancouver Island	2,500	175			11,700	2,607
Hecate Strait	99,350	3,419	7,500	375	7,087,930	1,128,447
Yakutat grounds					211,000	35,480
Portlock Bank					545,000	86,335
Total	398,950	16,720	18,000	913	13,371,610	1,896,677
MONTHS						
January	19,500	1,475			41,000	3,370
February	10,000	775			53,900	9,093
March	40,700	1,716			1,173,700	182,096
April	64,550	2,355			1,729,900	245,903
May	49,000	1,120			1,885,800	288,956
June	39,500	870			1,942,150	286,799
July	10,500	315			1,575,600	241,772
August	44,000	1,780			1,610,880	222,554
September	62,700	2,419	18,000	913	1,399,050	186,219
October	16,000	725			1,060,880	118,411
November	19,500	1,185			825,750	105,075
December	23,000	1,985			73,000	6,429
Total	398,950	16,720	18,000	913	13,371,610	1,896,677

Fishery products, by months, taken in Puget Sound and landed at Seattle, Wash., by collecting vessels during the year 1926

Species	January		February		March		April		May	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Herring	195,000	$975	260,000	$1,300	60,000	$300	60,000	$300	30,000	$150
Salmon:										
King or spring									420,000	42,000
Coho or silver									60,000	4,800
Trout: Steelhead									40,000	4,000
Smelt	5,000	700	3,000	500	2,000	340	4,000	600	4,000	280
Perch	8,500	585	9,600	576	14,000	840	10,500	630	12,000	600
Rockfishes	7,000	490	4,350	304	11,500	920	2,300	138	8,500	490
"Lingcod"					4,000	120	12,000	600		
Flounders	6,400	128	8,000	160	4,000	80	7,400	148	4,000	80
Sole	38,000	1,720	34,000	1,360	16,000	640	10,600	318	20,000	800
Crabs	79,200	4,200	75,900	5,175	62,260	4,225	12,100	825	44,000	3,000
Total	339,100	8,798	394,850	9,375	173,760	7,465	118,900	3,559	642,500	56,200

Species	June		July		August		September	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Sturgeon	2,000	$200	550	$52	2,500	$600	1,600	$300
Salmon:								
Humpback or pink			8,300	252	22,000	440	16,500	330
Chum or keta			14,400	576	14,000	270	18,000	360
King or spring	2,800,000	420,000	3,600,000	360,000	2,100,000	210,000	1,600,000	160,000
Coho or silver	450,000	31,600	246,000	12,300	470,000	18,800	980,000	98,000
Sockeye or red	22,000	2,200	12,500	1,250	50,000	5,000	12,000	1,200
Trout: Steelhead	18,400	1,840	22,000	2,200	12,000	1,200	18,000	1,800
Smelt					11,000	1,200	15,000	1,650
Perch					3,000	180	9,000	720
Rockfishes	4,000	160			18,000	720	8,600	688
"Lingcod"	8,000	160	12,000	480			4,000	160
Flounders	8,400	168	16,400	328	8,000	160	11,000	220
Sole	12,300	492	10,000	400	22,000	880	16,400	656
Total	3,325,100	456,820	3,942,150	377,838	2,732,500	239,450	2,710,100	266,084

Species	October		November		December		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Sturgeon	3,500	$700					10,150	$1,852
Herring			76,000	$760	80,000	$800	761,000	4,585
Salmon:								
Humpback or pink							46,800	1,022
Chum or keta	1,700,000	68,000	353,000	13,120			2,099,400	82,326
King or spring	111,000	11,100					10,631,000	1,203,100
Coho or silver	1,750,000	140,000	150,000	12,000			4,106,000	317,500
Sockeye or red							96,500	9,650
Trout: Steelhead							110,400	11,040
Smelt	28,000	2,800	36,000	3,600	52,000	5,200	160,000	16,870
Perch			6,500	455	6,500	460	79,600	5,046
Rockfishes	6,000	180	8,000	320	10,000	600	88,250	5,010
"Lingcod"					8,000	320	48,000	1,840
Flounders	4,000	80	4,000	80			81,660	1,632
Sole	15,000	600	32,000	1,280	55,000	2,200	281,300	11,346
Crabs	70,400	4,800	50,160	3,420	52,800	3,600	[1]446,820	29,245
Total	3,687,900	228,260	715,660	35,035	264,300	13,180	19,046,820	1,702,064

[1] 18,510 dozen.

FISHERY PRODUCTS RECEIVED AT MUNICIPAL FISH WHARF AND MARKET, WASHINGTON, D. C.[2]

The receipts of fishery products at the municipal fish wharf and market, Washington, D. C., in 1926 amounted to 7,511,427 pounds, an increase of 470,369 pounds, or 6.68 per cent, as compared with 1925. The most important products, in quantity, were squeteagues

[2] Daily reports of the quantity of fishery products received at this market are furnished to the bureau for publication through the courtesy of the health department of the District of Columbia.

or "sea trout", 1,326,250 pounds; croaker, 1,177,400 pounds; river herring, including 1,270 pounds of roe, 592,470 pounds; oysters, in the shell and opened, 538,294 pounds; shad, 437,850 pounds; striped bass, 413,250 pounds; butterfish, 388,000 pounds; haddock, 339,590 pounds; mackerel, 330,400 pounds; spot, 233,700 pounds; flounders, 213,250 pounds; and crabs, 206,310 pounds. The species ranking next in importance include catfish, perch, halibut, whiting, and hake.

Fishery products, in pounds, received at municipal fish wharf and market, Washington, D. C., 1926

Species	January	February	March	April	May	June	July
Bass, black or sea	1,350	1,900	1,600		8,300	7,400	5,300
Bluefish					600	10,600	11,500
Blue runner or hardtail							
Butterfish	4,500	6,000	4,600	1,500	47,900	72,400	101,500
Carp	4,400	4,800	14,300	11,400	13,600	6,400	3,900
Catfish	1,650	6,100	35,100	21,900	9,100	19,500	5,300
Cod	4,000	5,000	5,400	10,100	3,700	4,600	4,400
Croaker	20,800	7,200	13,300	195,600	257,600	164,200	228,300
Eels			500	900		900	500
Flounders	18,300	21,200	44,900	23,800	21,000	13,800	10,200
Gizzard shad		3,400	9,600				
Haddock	26,100	38,900	55,830	29,300	12,350	29,520	35,900
Hake							
Halibut	7,700	10,200	22,600	21,400	10,200	14,500	7,300
Herring, river	19,550	36,700	134,300	318,250	82,000	400	
Herring roe, river			250	1,020			
Hickory shad or "jacks"	5,950	4,600	5,800	3,300	1,100		
Kingfish				900	1,600		
Mackerel	36,800	8,400	7,200	7,100	35,000	51,200	43,700
Menhaden							
Mullet		100	600	200			
Perch	5,100	8,200	51,700	27,400	10,000	8,500	1,700
Pigfish							
Pike or pickerel	500	2,100	3,050	200			
Pollock	4,200		200			2,200	2,400
Pompano					200		
Redfish or red drum	2,900				30		
Red snapper					200		600
Salmon	1,600	1,300	1,600		700	1,700	2,200
Scup or porgy					800	2,600	600
Shad	53,300	25,900	99,500	197,100	55,550	2,300	
Sheepshead		2,600		1,000			
Smelt	4,200	200	2,805				
Spot	800	1,000	7,000	100	9,400	32,800	43,200
Squeteagues or "sea trout"	78,000	15,800	19,800	6,800	281,600	163,500	121,100
Squid							
Striped bass	9,200	8,900	36,700	76,900	32,400	30,900	26,500
Sturgeon				120	145	64	100
Swordfish						480	2,000
Tilefish		400	900	400			
Whitefish							
Whiting	4,800	4,500	4,400				
Clams, hard	2,208	1,920	3,120	3,936	8,192	11,040	8,736
Oysters:							
In the shell	16,975	20,545	19,985	3,654	336	392	196
Opened	49,368	38,511	30,772	7,013	280		
Scallops		240	80	720		840	960
Crabs		150		615	5,670	45,420	61,305
Crabmeat	285	875	1,430	3,320	9,985	26,035	20,155
Lobster		50	300	160	850	500	350
Shrimp	3,855	550	2,275	775	5,575	10,900	5,400
Turtles			80	50	754	354	48
Frogs			12	24	24	93	
Total	388,391	288,241	641,589	975,957	926,741	736,038	755,350

Fishery products, in pounds, received at municipal fish wharf and market, Washington, D. C., 1926—Continued

Species	August	September	October	November	December	Total
Bass, black or sea	1,200	600	700	2,800	8,300	39,450
Bluefish	11,400	6,900	22,100	4,400		67,500
Blue runner or hardtail		300				300
Butterfish	64,200	27,500	35,200	20,400	2,300	388,000
Carp	2,900	7,300	5,600	6,100	14,975	95,675
Catfish	1,200	10,000	23,700	19,700	11,250	164,500
Cod	2,300	2,300	2,300	4,200	400	43,700
Croaker	155,900	25,500	21,900	54,000	33,100	1,177,400
Eels		200	1,800	2,800	310	7,910
Flounders	4,300	6,000	13,900	23,100	12,750	213,250
Gizzard shad	200	600	1,900	8,000	6,400	30,100
Haddock	19,600	35,300	16,630	24,440	15,720	339,590
Hake		400	12,600	60,000	32,838	106,438
Halibut	6,400	10,100	8,800	8,560	6,950	134,650
Herring, river						591,200
Herring roe, river						1,270
Hickory shad or "jacks"					500	21,250
Kingfish			200	3,000	1,850	7,550
Mackerel	39,000	28,000	19,000	47,700	7,300	330,400
Menhaden				200		200
Mullet			600	4,700	600	6,800
Perch	1,600	2,000	7,000	16,600	12,150	150,950
Pigfish			400			400
Pike or pickerel		200	1,400	1,400	543	9,393
Pollock	1,400	1,000	2,300	6,000	1,000	20,700
Pompano						200
Redfish or red drum			1,300	800		5,030
Red snapper	1,500			1,400		3,700
Salmon	1,800	4,800	3,800	1,000	400	20,900
Scup or porgy	500	600	1,500	200		6,800
Shad					4,200	437,850
Sheepshead			100		200	3,900
Smelt				300	600	8,105
Spot	19,700	40,100	67,200	9,900	2,500	233,700
Squeteagues or "sea trout"	140,900	27,000	241,800	173,100	56,850	1,326,250
Squid			400			400
Striped bass	43,200	35,100	49,100	39,900	24,450	413,250
Sturgeon						429
Swordfish	900	200				3,580
Tilefish			600	1,000	800	4,100
Whitefish			500			500
Whiting			1,400	53,400	55,800	124,300
Clams, hard	6,336	5,600	4,928	5,056	2,240	[1] 63,312
Oysters:						
In the shell	224	3,829	52,654	86,093	34,398	[2] 239,281
Opened		9,306	36,036	69,350	58,377	[3] 299,013
Scallops		1,440	320	320		4,920
Crabs	44,610	36,030	12,360	150		206,310
Crabmeat	20,770	9,915	3,525	2,370	375	99,040
Lobster	350	650	450	150	50	3,860
Shrimps	4,300	6,800	5,600	700	500	47,230
Turtles	200	44	4		204	1,738
Frogs						153
Total	596,890	345,614	681,607	763,829	411,180	7,511,427

[1] 7,914 bushels. [2] 34,183 bushels. [3] 36,244 gallons.

NOTE.—The clams have been reduced to pounds on the basis of 8 pounds of meat to a bushel, the oysters on the basis of 7 pounds of meat to a bushel and 8¼ pounds to a gallon.

SHAD AND ALEWIFE FISHERIES OF THE POTOMAC RIVER

The regular annual statistics of the shad and alewife fisheries of the Potomac River were taken for the season 1926. They show that the shad fishery yielded 336,662 shad that weighed 1,034,206 pounds, valued at $217,461 to the fishermen. This is an increase over 1925 of 65 per cent in number, 48 per cent in weight, and 33 per cent in value. While the catch is not large, compared with many of the former years upon which statistics are available, the fishery nevertheless has registered substantial increases since the exceptionally poor year 1924.

The catch of alewives amounted to 13,795,848 fish, with a weight of 5,518,930 pounds, valued at $55,366 to the fishermen. The catch shows an increase over 1925 of 76 per cent in number, 76 per cent in weight, and 48 per cent in value, and with the exception of 1924 is the largest catch on record since 1909.

The following tables give detailed statistics for 1926 and comparative statistics on the shad and alewife catches in the Potomac River for the years for which statistics are available.

Shad and alewife fisheries of the Potomac River, 1926

Item	Maryland			Virginia			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
Fishermen	256			493			749		
Rowboats and scows	96		$3,870	197		$7,365	293		$11,235
Gasoline boats	56		15,575	188		66,205	244		81,780
Pound nets	98		15,625	311		107,460	409		123,085
Gill nets	82		8,255	219		8,664	301		16,919
Haul seines	5		1,900				5		1,900
Shore and accessory property			1,000						1,000
Total			46,225			189,694			235,919
Shad caught:									
With pound nets	11,177	34,775	7,353	252,435	760,967	157,519	263,612	795,742	164,872
With gill nets	35,874	115,791	25,091	32,626	110,378	25,134	68,500	226,169	50,225
With haul seines	4,550	12,295	2,364				4,550	12,295	2,364
Total	51,601	162,861	34,808	285,061	871,345	182,653	336,662	1,034,206	217,461
Alewives caught:									
With pound nets	1,163,020	465,800	5,818	12,280,828	4,912,330	45,548	13,443,848	5,378,130	51,366
With gill nets				220,000	88,000	3,300	220,000	88,000	3,300
With haul seines	132,000	52,800	700				132,000	52,800	700
Total	1,295,020	518,600	6,518	12,500,828	5,000,330	48,848	13,795,848	5,518,930	55,366

Production of shad in the Potomac River in various years, 1896 to 1926

Year	Maryland			Virginia			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
1926	51,601	162,861	$34,808	285,061	871,345	$182,653	336,662	1,034,206	$217,461
1925	46,008	157,786	35,310	158,574	538,846	128,088	204,582	696,632	163,398
1924	37,505	127,285	20,469	134,805	450,925	67,981	172,310	578,210	88,450
1923	93,619	308,729	52,917	257,927	878,653	145,702	351,546	1,187,382	198,619
1922	203,682	706,501	95,140	680,494	2,409,070	324,882	884,176	3,115,571	420,022
1921	49,681	138,207	25,191	356,191	1,022,231	182,179	405,872	1,160,438	207,370
1920	80,944	302,237	55,963	448,414	1,677,543	278,501	529,358	1,979,780	334,464
1919	94,512	354,420	56,833	449,957	1,687,339	275,564	544,469	2,041,759	332,397
1915	17,196	64,485	6,827	165,206	619,523	65,300	182,402	684,008	72,127
1909	31,158	116,843	9,232	172,813	648,049	44,500	203,971	764,892	53,732
1904	83,147	311,801	16,343	289,500	1,085,625	51,709	372,647	1,397,426	68,052
1901	146,000	547,500	14,800	648,462	2,431,733	104,566	794,462	2,979,233	119,366
1896	233,238	874,643	20,524	450,825	1,690,594	43,084	684,063	2,565,237	63,608

Production of alewives in the Potomac River in various years, 1909 to 1926

Year	Maryland			Virginia			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
1926	1,295,020	518,600	$6,518	12,500,828	5,000,330	$48,848	13,795,848	5,518,930	$55,366
1925	415,000	166,000	2,070	7,420,380	2,968,152	35,271	7,835,380	3,134,152	37,341
1924	1,834,000	733,600	6,855	13,299,388	5,319,156	49,667	15,133,388	6,052,756	56,552
1923	2,119,787	847,916	8,764	9,308,782	3,722,912	40,657	11,428,569	4,570,828	49,421
1922	1,292,500	517,000	3,700	10,074,500	4,029,800	34,642	11,367,000	4,546,800	38,342
1921	1,395,000	558,000	9,010	8,908,510	3,563,404	35,031	10,303,510	4,121,404	44,041
1920	1,077,775	538,888	13,940	7,681,561	3,813,780	41,197	8,759,336	4,352,668	55,137
1919	1,488,583	772,867	15,508	7,379,319	2,904,054	45,508	8,867,902	3,676,921	61,016
1915	335,000		1,420	7,276,428		30,741	7,611,428		32,161
1909	4,883,000		10,369	24,601,040		42,854	29,484,040		53,223

SHAD FISHERY OF THE HUDSON RIVER

In 1925 there were 221 persons engaged in the shad fishery of the Hudson River in New York and New Jersey. The investment amounted to $26,265, and 38,868 shad, or 124,334 pounds, were caught, valued at $26,430. Of this quantity, 34,568 shad, or 110,359 pounds, valued at $24,030, were taken in New York, and 4,300 shad, or 13,975 pounds, valued at $2,400, in New Jersey.

In 1926 there were 240 persons engaged in this fishery. The investment amounted to $27,370, and 84,462 shad, or 265,420 pounds, valued at $53,475, were caught. The catch in New York amounted to 73,312 shad, or 219,183 pounds, valued at $47,175, and in New Jersey to 11,150 shad, or 46,237 pounds, valued at $6,300.

Compared with 1924, there was an increase in 1925 of 37 in the number of persons engaged, $3,427 in the investment, 10,074 in number of shad taken (or 29,972 pounds), and of $3,326 in the value. In 1926, as compared with 1924, there was an increase of 56 persons, $4,532 in the investment, and 55,668 in the number of shad taken (or 171,051 pounds), and of $30,371 in the value. As compared with the previous year, the number of persons engaged and the investment in 1926 were only slightly greater, while the catch of shad and the value were more than double. The statistics for 1925 and 1926 and comparative statistics of the catch from 1915 to 1926, inclusive, are given in the following table:

Shad fishery of the Hudson River, 1925

Items	New York			New Jersey			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
Fishermen	205			16			221		
Rowboats and scows	89		$4,920	6		$1,240	95		$6,160
Gasoline boats	20		2,805	3		2,000	23		4,805
Gill nets, drift	90		11,165				90		11,165
Gill nets, stake	13		920	4		400	17		1,320
Haul seines	4		415				4		415
Shore and accessory property			1,100			1,300			2,400
Total			21,325			4,940			26,265
Shad caught:									
With drift gill nets	32,509	104,063	22,902				32,509	104,063	22,902
With stake gill nets	1,144	3,644	729	4,300	13,975	2,400	5,444	17,619	3,129
With haul seines	825	2,375	344				825	2,375	344
With other apparatus, incidentally	90	277	55				90	277	55
Total	34,568	110,359	24,030	4,300	13,975	2,400	38,868	124,334	26,430

Shad fishery of the Hudson River, 1926

Items	New York			New Jersey			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
Fishermen	224			16			240		
Rowboats and scows	95		$5,140	6		$1,240	101		$6,380
Gasoline boats	18		2,655	3		2,000	21		4,655
Gill nets, drift	96		11,825				96		11,825
Gill nets, stake	11		775	4		400	15		1,175
Haul seines	8		935				8		935
Shore and accessory property			1,100			1,300			2,400
Total			22,430			4,940			27,370
Shad caught:									
With drift gill nets	61,625	184,059	39,356				61,625	184,059	39,356
With stake gill nets	4,544	14,443	3,708	11,150	46,237	6,300	15,694	60,680	10,008
With haul seines	6,963	20,102	3,986				6,963	20,102	3,986
With other apparatus, incidentally	180	579	125				180	579	125
Total	73,312	219,183	47,175	11,150	46,237	6,300	84,462	265,420	53,475

Comparative statistics of the shad fishery of the Hudson River, 1915 to 1926

Year	New York			New Jersey			Total		
	Number	*Pounds*	*Value*	*Number*	*Pounds*	*Value*	*Number*	*Pounds*	*Value*
1915	11,606	48,564	$5,969	4,249	20,104	$2,674	15,855	68,668	$8,643
1916	7,787	32,923	4,540	1,500	7,250	925	9,287	40,173	5,465
1917	10,615	38,344	5,810	1,400	5,040	720	12,015	43,384	6,540
1918	63,404	220,602	44,784	3,999	14,000	3,400	67,403	234,602	48,184
1919	76,501	301,306	60,690	13,800	73,668	23,034	90,301	374,974	83,724
1920	39,692	157,715	43,882	9,623	42,129	12,427	49,315	199,844	56,309
1921	28,948	104,883	24,329	6,500	25,920	6,294	35,448	130,803	30,623
1922	36,111	128,324	27,451	12,225	46,862	12,255	48,336	175,186	39,706
1923	28,636	97,863	22,644	6,450	23,865	6,000	35,086	121,728	28,644
1924	22,814	72,519	17,619	5,980	21,850	5,485	28,794	94,369	23,104
1925	34,568	110,359	24,080	4,300	13,975	2,400	38,868	124,334	26,430
1926	73,312	219,183	47,175	11,150	46,237	6,300	84,462	265,420	53,475

FLORIDA SPONGE FISHERY

In 1926 the quantity of sponges sold at the Sponge Exchange, Tarpon Springs, Fla., was 367,745 pounds, valued at $666,093, of which 235,143 pounds, valued at $592,637, were large wool; 26,073 pounds, valued at $36,502, were small wool; 55,205 pounds, valued at $22,682, yellow; 49,233 pounds, valued at $13,441, grass; and 2,091 pounds, valued at $1,101, wire. It is estimated that sponges to the value of $50,000 were sold outside of the exchange at Tarpon Springs.

Compared with the production of 1925, this is a decrease of 66,927 pounds, or 15.4 per cent, in quantity and $49,004, or 6.9 per cent, in value. The production of grass sponges is the only one showing an increase over 1925. The total production is less than for any of the past eight years. This decrease is believed due, at least in part, to the generally unfavorable weather conditions that existed and to a shortage of divers. The increase in the production of grass sponges is attributed to the demand for this kind of sponges and to the fact that the unfavorable weather did not affect their being gathered in the shallow waters.

Sponges sold at the exchange, Tarpon Springs, Fla., 1919 to 1926

Year	Total		Large wool	Small wool	Yellow	Grass	Wire
	Pounds	*Value*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
1926	367,745	$666,093	235,143	26,073	55,205	49,233	2,091
1925	434,672	715,097	242,020	29,968	120,748	28,622	13,314
1924	425,305	714,760	265,392	58,021	81,420	14,898	5,574
1923	490,200	734,391	243,230	54,292	87,878	88,772	16,028
1922	526,885	699,089	248,475	70,478	115,455	84,892	7,585
1921	386,390	540,093	173,723	63,786	70,218	65,745	12,918
1920	409,746	678,209	176,722	60,902	72,648	92,880	6,594
1919	424,075	707,964	205,462	76,309	73,051	62,547	6,706

FISHERIES OF CONNECTICUT

Through the courtesy and cooperation of the State board of fisheries and game in detailing one of its officers (Capt. Christopher Culver) to act as agent of the Bureau of Fisheries in collecting the statistics of the fisheries of Connecticut, it has been possible to secure the statistics for the years 1925 and 1926, which are presented in detail in this section. For purposes of comparison the data for 1919 and 1924 also have been included in the summary tables.

In 1925 the fisheries of Connecticut gave employment to 1,451 fishermen and transporters; the value of vessels, boats, and gear employed in the fisheries amounted to $1,559,274; and the yield of the fisheries was 31,865,966 pounds, valued at $2,236,550. Though the number of persons engaged has increased from about 1,300 to 1,450 during the last three years, it is still below the number in 1919, which was 1,666. The value of the vessels, boats, and gear increased with each successive canvass and is now nearly 50 per cent above the investment in 1919. The substantial increases during this period in the number of motor vessels and otter trawls are the outstanding changes to be noted.

The total yield of the fisheries increased from 23,652,647 pounds, valued at $1,700,638, in 1919 to 38,265,091 pounds, valued at $2,592,327 in 1925, and then decreased to 31,865,966 pounds, valued at $2,236,550 in 1926. These changes may be understood by examining the components of the yield. These are summarized in the accompanying table, from which it may be seen that food fishes in 1926 constituted about 29 per cent, food shellfish about 18 per cent, and nonfood items about 53 per cent of the total quantity. Of the total value food fishes accounted for about 21 per cent, food shellfish 50 per cent, and nonfood items 29 per cent.

Summary of the yield of the fisheries of Connecticut in 1919 and 1924 to 1926, inclusive

Year	Food fish		Food shellfish		Nonfood items		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1919	3,656,394	$266,196	6,025,308	$747,780	13,970,945	$686,662	23,652,647	$1,700,638
1924	6,280,075	351,782	4,957,955	952,081	14,531,486	702,795	25,769,516	2,006,658
1925	7,625,523	377,469	6,751,044	1,434,559	23,888,524	780,299	38,265,091	2,592,327
1926	9,401,692	465,897	5,671,478	1,125,269	16,792,796	645,384	31,865,966	2,236,550

The yield of the food fishes has increased steadily with the successive canvasses, more than doubling in quantity and nearly doubling in value since 1919. The yield of flounders dominates the catch of food fishes. Four-fifths of the total poundage and nearly two-thirds of the total value of the food fishes taken in 1926 were flounders, and the increased catch of this variety accounts for the increase in the total. The shad is next to flounders in importance. In 1919 the value of the shad yield was nearly as large as the value of flounders, but with the marked increase in the flounder yield and a decreased yield of shad the latter was a poor second in 1926, with a value less than one-tenth that of flounders. Other important items were haddock, cod, and swordfish.

The food shellfish constitute the most valuable fishery resource of Connecticut, and of these the oyster is by far the most important. The yield of oysters in 1926, mostly from private beds, approached 5,000,000 pounds of meat, valued at more than $880,000. This is somewhat less than the yield in 1925 but above the yields of 1919 and 1924. The lobster is the other important shellfish, with a yield in 1926 of 645,454 pounds, valued at $227,003. The quantities taken were less in each successive canvass.

Of the nonfood items seed oysters, taken mostly from private beds, are the most important. In 1926 their value was nearly $600,000. Menhaden and oyster shells are the other items in this category; together they had a value of slightly over $50,000 in 1926.

Comparative statistics of the persons engaged in the fisheries of Connecticut, 1919 and 1924 to 1926

Items	1919	1924	1925	1926
	Number	*Number*	*Number*	*Number*
On vessels fishing	566	574	619	629
On vessels transporting	81	17	15	17
In shore fisheries	1,019	707	765	805
Total	1,666	1,298	1,399	1,451

Comparative statistics on the vessels, boats, and apparatus used in the fisheries of Connecticut, 1919 and 1924 to 1926

Items	1919		1924		1925		1926	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
Vessels fishing, steam	24	$328,243	25	$480,200	27	$481,400	27	$489,350
Tonnage	2,240		2,250		2,243		2,653	
Outfit		135,346		149,225		112,302		98,723
Vessels fishing, motor	67	180,425	83	301,590	73	351,295	81	426,710
Tonnage	924		1,103		1,121		1,090	
Outfit		94,690		40,842		143,507		139,347
Vessels fishing, sail	24	12,495	10	7,300	9	7,900	4	2,800
Tonnage	183		67		64		28	
Outfit		7,955		415				1,058
Vessels transporting, steam	2	13,200	1	4,000	1	7,500	1	10,000
Tonnage	111		18		18		18	
Outfit		9,627		1,250				1,000
Vessels transporting, motor	4	7,800	8	12,350	5	9,500	9	15,500
Tonnage	95		86		38		79	
Outfit		4,370		1,295				500
Vessels transporting, sail			1	7,000	1	1,000	1	1,000
Tonnage			55		5		5	
Outfit				200				100
Vessels transporting, unrigged	2	4,000	2	5,000	1	2,500		
Tonnage	316		316		6			
Outfit		1,900						
Boats, motor	364	136,881	385	263,075	349	216,895	345	235,150
Boats, sail, row, etc	399	9,670	511	25,605	330	10,393	306	9,850
Apparatus, vessel fisheries:								
Seines	4	7,800	4	3,850	5	3,850	7	4,450
Gill nets	115	2,680						
Otter trawls	14	680	25	1,220	28	2,448	34	3,400
Lines, hand and trawl		555		406		176		975
Harpoons		600		265		535		675
Lobster pots	480	745	545	695	494	1,225	180	800
Eel pots			12	10				
Dredges	372	8,437	246	7,114	191	11,884	183	11,799
Tongs			6	30	4	45	12	125
Apparatus, shore fisheries:								
Seines	54	4,893	24	2,697	48	4,172	59	3,107
Gill nets	204	13,910	95	5,650	89	6,479	95	6,755
Pound nets, trap nets, and weirs	42	9,112	38	9,785	45	8,650	36	5,675
Fyke nets	439	3,985	315	3,043	269	3,315	256	2,863
Dip nets	7	35	59	71	15	54	21	72
Otter trawls	53	2,394	62	2,610	114	7,227	116	8,123
Lines, hand and trawl		58		427		1,795		693
Harpoons		80		280		633		315
Spears	30	39	25	49	65	180	53	165
Eel pots and traps	801	617	1,270	1,146	1,594	2,398	1,532	1,917
Lobster pots	16,173	42,534	16,223	20,515	22,070	77,634	21,445	75,642
Crab pots			75	75				
Dredges	55	395	98	627	27	346	12	160
Tongs and rakes	305	2,361	187	699	145	862	76	475
Minor apparatus		82		40		105		
Total		1,048,594		1,360,651		1,478,205		1,559,274

Comparative statistics of the yield of the fisheries of Connecticut, 1919 and 1924 to 1926, inclusive

Products	1919		1924		1925		1926	
Food fishes:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives—								
Fresh	177,150	$6,637	98,813	$2,234	114,962	$1,387	40,350	$442
Salted			11,662	275	19,000	650		
Bluefish	3,710	386	17,241	4,514	7,490	2,442	1,926	596
Bonito	6,120	912						
Butterfish	18,810	2,607	5,650	442	7,000	815	23,295	2,255
Carp	40,141	4,922	39,333	5,258	14,264	1,932	5,408	638
Catfish	1,492	100	800	49	590	47	375	16
Cod	96,136	9,603	538,887	30,972	564,995	26,794	507,230	23,885
Cusk	6,767	73						
Eels—								
Common	63,046	9,839	112,458	12,406	108,274	17,051	90,710	13,992
Lamprey					4,890	1,550	1,886	941
Flounders	2,349,181	91,962	4,415,927	197,507	5,905,477	218,362	7,360,346	295,482
Haddock	350	38	48,950	2,440	111,800	6,950	592,347	25,027
Hake	10,100	102	3,000	108	14,900	279	850	20
Halibut	25,000	5,000			75,000	11,075	106,717	12,806
Herring	3,000	71	100	2	400	6	1,000	19
Hickory shad			1,900	83	1,150	63		
Mackerel	91,389	10,990	303,860	20,067	144,575	10,349	177,960	18,801
Mummichog			2,700	720	8,700	1,260	11,050	2,060
Perch—								
White			50	6	45	5		
Yellow	6,108	595	3,396	337	1,326	134	1,656	162
Pickerel	1,079	143	555	62	520	78	50	2
Pollock	10,135	717	48,200	1,941	8,800	466	18,475	919
Scup	1,980	202	1,750	176	1,025	122	640	99
Sea bass	3,555	528	3,150	469	1,400	252	6,406	1,422
Sea robin			25	1	11,200	410		
Shad	463,203	86,637	88,808	20,855	145,790	31,628	111,115	25,291
Sharks					3,150	51	3,375	90
Skates	400	10	200	4	2,400	83	2,600	59
Smelt	25,217	4,466	11,300	2,410	9,515	2,364	10,515	2,701
Spot							1,820	83
Squeteagues	23,076	3,257	40,835	5,302	36,925	5,738	21,233	5,057
Striped bass	4,810	1,059	1,545	396	5,227	1,149	4,629	1,002
Sturgeon	25	5	290	79	220	73	236	70
Suckers	99,053	7,488	119,674	8,024	108,281	8,468	102,352	7,376
Sunfish	105	11						
Swordfish	88,428	15,006	80,145	13,896	78,401	14,908	81,600	13,832
Tautog	21,942	2,068	72,636	6,234	100,139	10,007	100,300	9,815
Tilefish			200,130	14,170			13,000	917
Tomcod	455	37	190	7	400	4		
Tuna	5,114	550					240	20
Whiting	9,317	175	2,000	40	5,600	206		
Other fish			3,915	296	1,692	311		
Total	3,656,394	266,196	6,280,075	351,782	7,625,523	377,469	9,401,692	465,897
Food shellfish:								
Lobster	740,848	189,157	701,647	240,809	686,875	236,729	645,454	227,003
Crabs—								
Hard			440	28	950	44	1,047	110
Sand			10,000	250			14,000	403
Squid	3,612	258	16,630	484	17,100	614	13,950	951
Clams, hard—								
Public	49,976	18,912	22,096	10,005	24,080	12,498	13,256	6,718
Private			1,536	768			5,952	3,098
Clams, soft, public	229,150	32,070	44,350	12,155	30,080	11,436	15,330	5,971
Scallops	38,400	13,717	2,430	683	58,752	10,487		
Oysters, market—								
Public	136,654	21,900	18,410	3,865	116,410	20,680	131,733	21,808
Private	4,826,668	471,766	4,140,416	683,034	5,816,797	1,142,071	4,830,756	859,207
Total	6,025,308	747,780	4,957,955	952,081	6,751,044	1,434,559	5,671,478	1,125,269
Nonfood items:								
Menhaden	6,736,564	93,312	5,270,020	56,438	13,503,058	124,466	4,347,425	36,269
Oysters, seed—								
Public	740,516	68,349	383,950	55,933	73,500	9,550	176,358	23,670
Private	6,493,865	525,001	3,477,516	583,224	3,801,966	635,433	4,409,013	571,645
Oyster shells			5,400,000	7,200	6,510,000	10,850	7,860,000	13,800
Total	13,970,945	686,662	14,531,486	702,795	23,888,524	780,299	16,792,796	645,384
Grand total	23,652,647	1,700,638	25,769,516	2,006,658	38,265,091	2,592,327	31,865,966	2,236,550

Yield of the vessel fisheries of Connecticut in 1925, by apparatus and species

Species	Purse seines		Lines, hand and trawl		Otter trawls		Harpoons	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Val*
Cod			353, 600	$16, 144	47, 400	$2, 272		
Flounders			1, 400	112	2, 862, 825	103, 146		
Haddock			31, 200	1, 760	61, 000	4, 116		
Hake					13, 300	199		
Halibut			75, 000	11, 075				
Mackerel	98, 750	$7, 109	1, 800	180				
Menhaden	13, 328, 658	121, 958						
Pollock			400	16	2, 000	100		
Sea robin					1, 200	60		
Sharks					1, 425	16		
Swordfish							48, 246	$8, 5
Tautog					100	10		
Lobsters					625	202		
Scallops					31, 182	5, 472		
Total	13, 427, 408	129, 067	463, 400	29, 287	3, 021, 057	115, 593	48, 246	8, 5

Species	Lobster pots		Dredges		Tongs	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Lobsters	26, 612	$9, 475				
Oysters, market:						
Public			43, 400	$7, 700	17, 500	$3, 7
Private			5, 789, 392	1, 133, 476		
Oysters, seed:						
Public			58, 800	6, 975		
Private			3, 778, 866	630, 483		
Clams, hard, public					80	
Oyster shells			2, 010, 000	3, 350		
Total	26, 612	9, 475	11, 680, 458	1, 781, 984	17, 580	3, 7

Yield of the shore and boat fisheries of Connecticut in 1925, by apparatus and specie

Species	Lines, hand and trawl		Haulseines		Pound nets, traps, and weirs		Fyke nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives:								
Fresh			16, 400	$820	94, 562	$497	4, 000	$
Salted					13, 000	450	6, 000	2
Bluefish	7, 180	$2, 395			310	47		
Bullheads							590	
Butterfish					7, 000	815		
Carp			9, 464	1, 392	1, 300	150	3, 500	3
Cod	131, 495	6, 752						
Dace							10	
Eels	300	60			3, 100	490	7, 540	1, 8
Eels, lamprey							4, 890	1, 5
Flounders	25, 300	1, 480	200	20	31, 807	2, 622	4, 800	1
Groupers					7	2		
Haddock	3, 600	280						
Hake	1, 200	64						
Herring					400	6		
Hickory shad					1, 150	63		
Mackerel	22, 250	1, 609			7, 775	751		
Menhaden					73. 800	928		
Mummichog			7, 700	1, 175				
Perch:								
White							45	
Yellow							1, 326	1
Pickerel							520	
Pollock	6, 400	350						
Scup	1, 000	120			25	2		
Sea bass	1, 350	238						
Shad			58, 648	9, 874	118	28		
Shiners			1, 675	308				
Skates	400	24						
Smelt	200	50	8, 560	2, 132				
Squeteagues	130	26			36, 425	5, 637		
Striped bass	150	37	600	150	4, 474	961		
Sturgeon					20	3		
Suckers			72, 201	5, 679	11, 700	1, 050	24, 380	1, 7
Tautog	91, 027	9, 096	60	6	8, 552	855		
Tomcod			400	4				
Whiting			600	6				
Crabs, hard					150	6		
Lobsters					40	12		
Squid					17, 100	614		
Total	291, 982	22, 581	176, 508	21, 566	312, 815	15, 989	57, 601	6, 2

Yield of the shore and boat fisheries of Connecticut in 1925, by apparatus and species—Continued

Species	Purse seines		Gill nets		Dip nets		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod							32,500	$1,626
Flounders							2,979,145	110,797
Haddock							16,000	794
Hake							400	16
Mackerel	14,000	$700						
Menhaden			100,600	$1,580				
Sea bass							50	14
Sea robin							10,000	350
Shad			85,489	21,343	1,535	$383		
Sharks							1,725	35
Skates							2,000	59
Smelt					655	157	100	25
Squeteagues			370	75				
Striped bass			3	1				
Sturgeon							200	70
Tautog							400	40
Whiting							5,000	200
Crabs, hard					800	38		
Lobsters							815	255
Scallops							27,570	5,015
Total	14,000	700	186,462	22,999	2,990	578	3,075,905	119,296

Species	Drag nets		Harpoons		Lobster pots		Eel pots	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels							76,724	$11,445
Mummichog	1,000	$85						
Swordfish			30,155	$6,377				
Lobsters					658,783	$226,785		
Total	1,000	85	30,155	6,377	658,783	226,785	76,724	11,445

Species	Dredges		Tongs and rakes		Spears	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels					20,610	$3,168
Oysters, market:						
Public	24,150	$2,650	31,360	$6,580		
Private	7,070	1,470	20,335	7,125		
Oysters, seed:						
Public	14,700	2,575				
Private	21,000	4,500	2,100	450		
Clams:						
Hard, public			24,000	12,458		
Soft, public			30,080	11,436		
Oyster shells			4,500,000	7,500		
Total	66,920	11,195	4,607,875	45,549	20,610	3,168

Summary of the yield of 1925

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives:						
Fresh	114,962	$1,387			114,962	$1,38
Salted	19,000	650			19,000	65
Bluefish	7,490	2,442			7,490	2,44
Bullheads	590	47			590	4
Butterfish	7,000	815			7,000	81
Carp	14,264	1,932			14,264	1,93
Cod	163,995	8,378	401,000	$18,416	564,995	26,79
Dace	10	1			10	
Eels	108,274	17,051			108,274	17,05
Eels, lamprey	4,890	1,550			4,890	1,55
Flounders	3,041,252	115,104	2,864,225	103,258	5,905,477	218,36
Groupers	7	2			7	
Haddock	19,600	1,074	92,200	5,876	111,800	6,95
Hake	1,600	80	13,300	199	14,900	27
Halibut			75,000	11,075	75,000	11,07
Herring	400	6			400	
Hickory shad	1,150	63			1,150	6
Mackerel	44,025	3,060	100,550	7,289	144,575	10,34
Menhaden	174,400	2,508	13,328,658	121,958	13,503,058	124,46
Mummichog	8,700	1,260			8,700	1,26
Perch:						
White	45	5			45	
Yellow	1,326	134			1,326	13
Pickerel	520	78			520	7
Pollock	6,400	350	2,400	116	8,800	46
Scup	1,025	122			1,025	12
Sea bass	1,400	252			1,400	25
Sea robin	10,000	350	1,200	60	11,200	41
Shad	145,790	31,628			145,790	31,62
Sharks	1,725	35	1,425	16	3,150	5
Shiners	1,675	308			1,675	30
Skates	2,400	83			2,400	8
Smelt	9,515	2,364			9,515	2,36
Squeteagues	36,925	5,738			36,925	5,73
Striped bass	5,227	1,149			5,227	1,14
Sturgeon	220	73			220	7
Suckers	108,281	8,468			108,281	8,46
Swordfish	30,155	6,377	48,246	8,531	78,401	14,90
Tautog	100,039	9,997	100	10	100,139	10,00
Tomcod	400	4			400	
Whiting	5,600	206			5,600	20
Crabs, hard	950	44			950	4
Lobsters	659,638	227,052	27,237	9,677	686,875	236,72
Squid	17,100	614			17,100	61
Clams:						
Hard, public	24,000	12,458	80	40	24,080	12,49
Soft, public	30,080	11,436			30,080	11,43
Scallops	27,570	5,015	31,182	5,472	58,752	10,48
Oysters, market:						
Public	55,510	9,230	60,900	11,450	116,410	20,68
Private	27,405	8,595	5,789,392	1,133,476	5,816,797	1,142,07
Oysters, seed:						
Public	14,700	2,575	58,800	6,975	73,500	9,55
Private	23,100	4,950	3,778,866	630,483	3,801,966	635,43
Oyster shells	4,500,000	7,500	2,010,000	3,350	6,510,000	10,85
Total	9,580,330	514,600	28,684,761	2,077,727	38,265,091	2,592,32

Yield of the vessel fisheries of Connecticut in 1926, by apparatus and species

Species	Purse seines		Haul seines		Lines, hand and trawl		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod					217,740	$9,654	94,100	$4,46
Flounders							4,419,386	176,55
Haddock					17,947	1,056	414,800	17,40
Halibut					106,717	12,806		
Mackerel	114,550	$11,803			15,250	1,662		
Menhaden	4,202,800	34,463						
Pollock					400	20		
Sharks							1,850	5
Smelt			1,000	$400				
Tilefish					13,000	917		
Tuna					240	20		
Lobsters							2,515	81
Total	4,317,350	46,266	1,000	400	371,294	26,135	4,932,651	199,29

Yield of the vessel fisheries of Connecticut in 1926, by apparatus and species— Continued

Species	Harpoons		Lobster pots	
	Pounds	*Value*	*Pounds*	*Value*
wordfish	71,200	$12,126		
obsters			4,000	$2,400

Species	Dredges		Tongs	
	Pounds	*Value*	*Pounds*	*Value*
ysters, market:				
Public	97,608	$16,036	28,000	$4,000
Private	4,820,466	855,347		
ysters, seed:				
Public	144,200	19,480		
Private	4,409,013	571,645		
lams, hard, private			4,000	2,000
yster shells			4,080,000	7,500
Total	9,471,287	1,462,508	4,112,000	13,500

Yield of the shore and boat fisheries of Connecticut in 1926, by apparatus and species

Species	Haul seines		Pound nets, traps, and weirs		Fyke nets		Lines, hand and trawl	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
lewives	7,800	$96	31,750	$338	800	$8		
luefish			76	20			1,850	$576
ullheads					375	16		
utterfish			23,295	2,255				
arp	2,710	347	373	52	2,025	209		
od							86,540	4,332
els			750	160	6,693	1,603	2,650	420
els, lamprey					1,886	941		
lounders			28,310	2,090	2,431	123	9,480	627
addock							6,500	346
ake							600	12
erring			1,000	19				
Iackerel			3,200	320			40,960	4,416
Ienhaden			74,500	1,087	3,000	27		
Iummichog	4,750	710	6,000	1,200				
erch, yellow					1,656	162		
ickerel					50	2		
ollock							18,075	899
cup			440	79			200	20
ea bass							3,006	742
had	45,382	9,338						
melt	5,181	1,416	4,000	800			100	25
pot			1,820	83				
queteagues			20,283	4,847	300	70	350	80
riped bass			3,419	755			610	127
urgeon			50	5				
uckers	51,212	3,892	4,600	295	46,540	3,189		
autog			10,423	1,040	100	10	89,777	8,765
quid			13,950	951				
Total	117,035	15,799	228,239	16,396	65,856	6,360	260,698	21,387

Species	Gill nets		Dip nets		Otter trawls		Harpoons	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
arp	300	$30						
od					108,850	$5,433		
lounders					2,900,739	116,088		
addock					153,100	6,220		
ake					250	8		
Iackerel	4,000	600						
Ienhaden	67,125	692						
Iummichog			300	$150				
ea bass					3,400	680		
had	64,133	15,609	1,600	344				
Iarks					1,525	37		
kates					2,600	59		
melt			234	60				
queteagues	300	60						
riped bass	600	120						
urgeon					186	65		
vordfish							10,400	$1,706
abs, hard			1,047	110				
obsters					950	304		
Total	136,458	17,111	3,181	664	3,171,600	128,894	10,400	1,706

Yield of the shore and boat fisheries of Connecticut in 1926, by apparatus and species—Continued

Species	Lobster pots		Eel pots		Spears	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eels			67,393	$9,603	13,224	$2,206
Crabs, sand	14,000	$403				
Lobsters	637,989	223,486				
Total	651,989	223,889	67,393	9,603	13,224	2,206

Species	Dredges		Tongs and rakes	
	Pounds	*Value*	*Pounds*	*Value*
Clams, hard:				
Public	200	$100	13,056	$6,618
Private			1,952	1,098
Clams, soft, public			15,330	5,971
Oysters, market:				
Public			6,125	1,772
Private	2,030	380	8,260	3,480
Oysters, seed, public	29,358	3,990	2,800	200
Oyster shells			3,780,000	6,300
Total	31,588	4,470	3,827,523	25,438

Summary of the yield in 1926

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives	40,350	$442			40,350	$442
Bluefish	1,926	596			1,926	596
Bullheads	375	16			375	16
Butterfish	23,295	2,255			23,295	2,255
Carp	5,408	638			5,408	638
Cod	195,390	9,765	311,840	$14,120	507,230	23,885
Eels	90,710	13,992			90,710	13,992
Eels, lamprey	1,886	941			1,886	941
Flounders	2,940,960	118,928	4,419,386	176,554	7,360,346	295,482
Haddock	159,600	6,566	432,747	18,461	592,347	25,027
Hake	850	20			850	20
Halibut			106,717	12,806	106,717	12,806
Herring	1,000	19			1,000	19
Mackerel	48,160	5,336	129,800	13,465	177,960	18,801
Menhaden	144,625	1,806	4,202,800	34,463	4,347,425	36,269
Mummichog	11,050	2,060			11,050	2,060
Perch, yellow	1,656	162			1,656	162
Pickerel	50	2			50	2
Pollock	18,075	899	400	20	18,475	919
Scup	640	99			640	99
Sea bass	6,406	1,422			6,406	1,422
Shad	111,115	25,291			111,115	25,291
Sharks	1,525	37	1,850	53	3,375	90
Skates	2,600	59			2,600	59
Smelt	9,515	2,301	1,000	400	10,515	2,701
Spot	1,820	83			1,820	83
Squeteagues	21,233	5,057			21,233	5,057
Striped bass	4,629	1,002			4,629	1,002
Sturgeon	236	70			236	70
Suckers	102,352	7,376			102,352	7,376
Swordfish	10,400	1,706	71,200	12,126	81,600	13,832
Tautog	100,300	9,815			100,300	9,815
Tilefish			13,000	917	13,000	917
Tuna			240	20	240	20
Crabs, hard	1,047	110			1,047	110
Crabs, sand	14,000	403			14,000	403
Lobsters	638,939	223,790	6,515	3,213	645,454	227,003
Squid	13,950	951			13,950	951
Clams, hard:						
Public	13,256	6,718			13,256	6,718
Private	1,952	1,098	4,000	2,000	5,952	3,098
Clams, soft, public	15,330	5,971			15,330	5,971
Oysters, market:						
Public	6,125	1,772	125,608	20,036	131,733	21,808
Private	10,290	3,860	4,820,466	855,347	4,830,756	859,207
Oysters, seed:						
Public	32,158	4,190	144,200	19,480	176,358	23,670
Private			4,409,013	571,645	4,409,013	571,645
Oyster shells	3,780,000	6,300	4,080,000	7,500	7,860,000	13,800
Total	8,585,184	473,924	23,280,782	1,762,626	31,865,966	2,236,550

FISHERIES OF THE GREAT LAKES, 1913 TO 1925

For many years some of the border States on the Great Lakes ave been collecting annual statistics of the yield of their respective ake fisheries.[3] However, until recently no attempt was made to nify and publish these statistics so that the data would be in com- arable form. Inasmuch as the fisheries of the Great Lakes are of reat commercial importance, and as unusual interest has been shown ately concerning the diminished catches of several important species, has seemed desirable that these State statistics should be brought ogether and published. Figures from the State sources for the ears 1913 to 1924 are already available, having been obtained in a ariff survey of the lake fisheries. To bring these up to date, the ureau obtained figures for 1925 from the State records. Statistics or the Canadian Great Lakes fishery for 1913 to 1925, obtained rom official reports, also are included to complete the picture.

SCIENTIFIC AND COMMON NAMES

Confusion always has existed in the common names of the fishes f the Great Lakes. In many cases a certain species, when taken n two or more lakes, or even in several localities of the same lake, s called by a different name. On some occasions this name may be ne same as that applied to a different species in another lake. More- ver, some groups of species are known by a single common name. nasmuch as this condition exists, it is impossible to adopt a natural ystem of nomenclature, for the itemization of trade statistics is mited to trade names or categories. The names used in this report re those most commonly used by the trade; and where the trade roups various species under one name, the same grouping is followed n this report. Also, where the trade divides one species into two ategories, the same division has been followed. Thus, the cisco of ake Erie, differing in economic importance from the herring of the ther lakes, has been listed separately, although they have been con- dered as one species in scientific literature. In the table of names nat follows it will be noted that certain species appear as "not pecified" in certain States. This means that the species may not e taken commercially in the waters of that State, or it may have ccurred only in small quantities and may have been included with milar varieties or with the item "miscellaneous." The detailed assification of all fishes in the various States may be found in ne table.

Each of the eight border States of the Great Lakes has an agency with legislative authority to collect receive certain fisheries statistics, but only six of them regularly collect data. These are New York, nnsylvania, Ohio, Michigan, Wisconsin, and Minnesota. The fisheries of the other two (Indiana and inois) are relatively unimportant. In 1922 the combined catch of Indiana and Illinois approximated 37,000 pounds, or only about 1 per cent of the total Great Lakes catch.

n New York, Pennsylvania, Michigan, and Wisconsin statistics on the fisheries are returned at the se of the year in which the fisheries were prosecuted. In Minnesota statistics for Lake Superior are the calendar year, but for the Lake of the Woods they are for the season beginning Dec. 1 and ending r. 1. In Ohio separate reports are made for the two fishing seasons—Mar. 15 to Aug. 31 and Sept. 1 Dec. 15.

t is the law in some States and the custom in others for the State to furnish printed statistical schedules fishermen. These usually are mailed to the licensees, filled in by them, and returned to the State agency. ere is considerable difference in the diligence with which the several agencies enforce their statistical wers. Some of them remind delinquents by correspondence of their failure to report, and others invoke authority of the law-enforcing officers. Only one State fails to make a bookkeeping comparison tween the license records and the statistical report.

Scientific and common names of certain lake fishes

Scientific name	Common names		
	Used in this report	Previously used in Bureau of Fisheries reports	Canadian Fisheries Department
Stizostedion vitreum [1]	Blue pike	Pike perch, blue pike	Blue pickerel.
All Leucichthys except artedi (in Great Lakes).	Chubs	Ciscoes	Tullibee.
Leucichthys artedi (Lake Erie only)	Cisco	do	Herring.
Esox lucius	Jacks	Pike	Pike
Leucichthys artedi (Great Lakes, except Lake Erie).	Lake herring	Ciscoes	Herring.
Cristivomer namaycush	Lake trout	Lake trout	Trout.
Catostomus commersonii and C. catostomus (commonest species).	Suckers or "mullet"	Suckers	Mullets.
Stizostedion canadense griseum	Sauger	Sauger	(Not specified).
Aplodinotus grunniens	Sheepshead	Sheepshead or drum	Do.
Leucichthys (species) (in Lake of the Woods).	Tullibees	Ciscoes ("tullibees")	Tullibee
Coregonus clupeiformis	Whitefish	Whitefish	Whitefish.
Perca flavescens	Yellow perch	Yellow perch	Perch.
Stizostedion vitreum	Yellow pike	Pike perch, wall-eyed or yellow pike.	Pickerel or dore.

Scientific name	Common names			
	New York	Pennsylvania	Ohio	Michigan
Stizostedion vitreum [1]	Blue pike	Blue pike	Blue pike	(Not specified).
All Leucichthys except artedi (in Great Lakes).	(Not specified)	(Not specified)	(Not specified)	Chubs, longjaws, blackfins, and bluefins.
Leucichthys artedi (Lake Erie only).	Cisco	Cisco	Herring	Herring.
Esox lucius	(Not specified)	(Not specified)	(Not specified)	Jacks and grass pike.
Leucichthys artedi (Great Lakes, except Lake Erie).	Cisco	do	do	Herring.
Cristivomer namaycush	Lake trout	Lake trout	do	Lake trout.
Catostomus commersonii and C. catostomus (commonest species).	Sucker and mullet	(Not specified)	Sucker—mullet	Suckers and mullets.
Stizostedion canadense griseum.	(Not specified)	do	Sauger	Sauger.
Aplodinotus grunniens	do	do	Sheepshead	Sheepshead.
Leucichthys (species) (in Lake of the Woods).	do	do	(Not specified)	(Not specified).
Coregonus clupeiformis	Whitefish	Whitefish	Whitefish	Whitefish.
Perca flavescens	Yellow perch	Yellow perch	Yellow perch	Perch.
Stizostedion vitreum	Wall-eyed pike, pike perch, and pickerel.	Pike perch	Pickerel	Pickerel.

Scientific name	Common names		
	Wisconsin	Minnesota	Indiana
Stizostedion vitreum [1]	(Not shown separately).	(Not specified)	(Not specified).
All Leucichthys except artedi (in Great Lakes).	Chubs and bluefins	Bluefins, ciscoes, and ciscoetts.	Chubs and bluefins.
Leucichthys artedi (Lake Erie only).	(Not taken)	(Not taken)	(Not taken).
Esox lucius	Pickerel	Pickerel	(Not specified).
Leucichthys artedi (Great Lakes, except Lake Erie).	Herring	Herring	Herring.
Cristivomer namaycush	Lake trout	Trout	Trout.
Catostomus commersonii and C. catostomus (commonest species).	(Not specified)	Suckers and mullets	Suckers.
Stizostedion canadense griseum	Sauger	Sauger and sand pike	(Not specified).
Aplodinotus grunniens	(Not specified)	(Not specified)	Do.
Leucichthys (species) (in Lake of the Woods).	do	Tullibees	Do.
Coregonus clupeiformis	Whitefish	Whitefish	Whitefish.
Perca flavescens	Perch	Perch	Perch.
Stizostedion vitreum	Pike	Yellow pike	(Not specified).

[1] Described by Mr. Hubbs as a distinct species, which he has named Stizostedion glaucum.

COMPARISON WITH STATISTICS PREVIOUSLY PUBLISHED FOR 1917 AND 1922

The statistics for the States herein presented differ from those already gathered and published by the Bureau of Fisheries for the years 1917 and 1922 (those being the only years during the period 1913 to 1925 when a canvass was made in the regular manner by the Bureau of Fisheries). This difference is to be expected for various reasons. First, in the canvass made by the Bureau of Fisheries' representatives the figures for the catch are obtained directly from the fishermen or fish dealers, rather than from State records, and it is believed that these representatives exert a greater effort than do the State authorities to secure the record of the catch from every source, with the result that the total catch probably is more nearly approximated. Second, the State agency receives its reports shortly after the close of each fishing season, at a time when the fisherman or fish dealer has a written record of his catch or has the figures fresh in his memory. On the other hand, the canvass by representatives of the Bureau of Fisheries, while begun shortly after the beginning of the calendar year, is not completed for four or five months. During the interval, it is likely that a new fishing season may begin and it is decidedly improbable that a written record, or even an estimate will be obtained, and the figures given the representatives may be greater or less than the actual catch. Thus, the Bureau of Fisheries' canvass is likely to obtain more complete returns, but, on the other hand, the individual returns may be less accurate than those of the States. Third, due to the lack of uniform common names for certain fishes throughout the Great Lakes region, there may be considerable difference in the size of the catch credited to each species by the various agencies collecting the statistics. The following tables, giving a comparison between State and bureau statistics by species and by Lakes, clearly show this difference. However, the State statistics are available for consecutive years and probably are collected in a sufficiently comparable manner to be of considerable value in showing the trend in the yield of the fisheries of the Great Lakes.

Comparison by species of the statistics of the Great Lakes, including Lake of the Woods, as obtained from State reports and a canvas by the Bureau of Fisheries for the years 1917 and 1922 (expressed in thousands of pounds; that is, 000 omitted)

Species	1917		1922	
	From State reports	From Bureau of Fisheries reports	From State reports	From Bureau of Fisheries reports
Lake trout	10,733	13,344	11,101	13,727
Whitefish	5,773	6,238	4,325	4,296
Lake herring	44,893	53,529	28,117	36,010
Chubs				
Cisco				
Sturgeon	49	108	33	103
Yellow pike	3,457	2,770	2,907	4,076
Blue pike	1,655	2,103	10,361	14,590
Sauger	4,336	3,929	4,623	6,002
Sucker, "mullet"	5,699	5,571	3,788	5,492
Sheepshead	3,013	2,902	1,415	2,414
Yellow perch	4,086	4,209	3,555	4,903
Pike (jacks)	461	352	402	462
Carp	4,602	7,563	5,094	7,869
White bass	333	287	831	1,031
Catfish and bullheads	2,296	883	805	1,758
Burbot	69	936	323	400
Miscellaneous	4,438	430	1,756	395
Total	95,893	105,154	79,436	103,528

Comparison by lakes of the statistics of the Great Lakes, including Lake of the Woods, as obtained from State reports and as canvassed by the Bureau of Fisheries for the years 1917 and 1922 (expressed in thousands of pounds; that is, 000 omitted)

Lakes	1917		1922	
	States	U. S. Bureau of Fisheries	States	U. S. Bureau of Fisheries
Ontario	656	1,054	889	1,026
Erie	41,416	38,710	40,912	55,078
Huron	12,512	13,363	13,481	13,942
Michigan	29,317	35,381	16,605	21,056
Superior	9,889	15,547	6,569	10,988
Woods	2,103	1,099	978	1,438
Total	95,893	105,154	79,434	103,528

GENERAL STATISTICS

The Great Lakes, with their cisco, trout, whitefish, herring, and pike fisheries, constitute one of our important fishery sections. While the total yield is considerably less than in some other fishery sections, the value is unusually high in proportion. The total yield of this fishery in the United States and Canada in 1913 was 102,826,000 pounds. The high peak was reached in 1918, with a production of 149,523,000 pounds, and then followed a decline to 100,289,000 pounds in 1925. Considered alone, the yield in the United States was 68,309,000 pounds in 1913, reached the high peak of 108,948,000 pounds in 1915, and then declined to 69,132,000 pounds in 1925. The Canadian catch, which was only about one-half as large as the United States catch, followed a similar course, but which was less pronounced.

Yield by lakes.—Considered separately, the total yield by lakes shows varying tendencies during the period 1913 to 1925. The Lake Erie yield, which always has ranked first in amount, shows a downward tendency since 1913. This condition is reflected especially in the American catch, while that for Canada has remained fairly stable. The catch in Lake Michigan, which is taken entirely in American waters and which usually ranks second in amount, also shows a downward trend. The yield of Lake Huron, which usually ranks third in amount, also shows a tendency downward. As the Canadian catch in this lake has been fairly uniform, the decrease is due to the smaller catch in American waters.

The yield of Lake Superior (fourth in importance as to amount, and which reached its peak in 1918) suffered a decline until 1922 but now seems to be growing. This condition is due largely to the gradually increasing catch in American waters in the face of the somewhat diminishing catch in Canadian waters. The yield of Lake Ontario (fifth in importance in amount) increased until 1921 and since that year has shown a decline, which is reflected in the fisheries of both American and Canadian waters. The yield of Lake of the Woods, which usually is of least importance, as to amount, in the international Lakes, registered a decline from 1917 to 1921. From that year until 1925 the yield increased markedly, with that of 1925 being nearly as great as that of 1915 and greater than that for Lake

Ontario for 1925. The increased catch in the Canadian waters of this lake is responsible for this condition, inasmuch as the catch in the United States has not been decidedly upward.

Yield by species.—The yields of individual species have registered varying trends. The most remarkable of these is shown in the record for cisco of Lake Erie. Beginning with a catch in the United States and Canada of 24,121,000 pounds in 1913, it increased to 48,823,000 in 1918, remained between about 20,000,000 and 32,000,000 pounds until 1924, and then decreased to 5,657,000 pounds in 1925. The United States catch in this lake has been two to three times as large as that of Canada during the years 1913 to 1924. In 1925 the catch was about equally divided between the two countries. The trends of catch have been similar in each country, though the decline in 1925 was more severe in the United States than in Canada. The yield of lake herring was 15,301,000 pounds in 1913, reached a high peak of 26,536,000 pounds in 1918, and declined to 16,232,000 pounds in 1925. The vast majority of the lake herring were produced in the United States. The yield of chubs (a fish sometimes classed with the cisco or lake herring) registered 5,492,000 pounds in 1913, a high peak of 8,094,000 pounds in 1918, and a decline to 6,445,000 pounds in 1925. Only about 6 per cent of each year's catch was contributed by the Canadian chub fisheries.

The yield of lake trout has remained fairly constant over this period, with a yield of 16,238,000 pounds in 1913, increasing to 18,206,000 pounds in 1919, and then decreasing to 17,985,000 pounds in 1925. This is true in both the United States and Canada, although the production in the United States was always about twice that for Canada. The yield of whitefish also has remained almost unchanged, with a reported production of 8,797,000 pounds in 1913, rising to 11,405,000 pounds in 1918, and then slightly declining to 9,328,000 pounds in 1925. In each year of this period the production in Canada exceeded the catch in United States waters by several hundred thousand pounds to over 2,000,000 pounds.

The total yield of blue pike has shown successive periods of very high and very low production. In 1913 the total yield amounted to 2,370,000 pounds, then increased to 23,693,000 pounds in 1915, decreased to 2,130,000 pounds in 1918, increased again to 16,703,000 in 1922, and decreased again to 13,958,000 pounds in 1925. The catch in the United States usually has been much larger than in Canada—in some years nearly four times as large. The only exception is found in 1919, when the Canadian catch was considerably larger than the United States catch. In general, the fluctuations in the two countries have been very similar. The total yield of yellow pike was about 4,077,000 pounds in 1913, increased to 6,795,000 in 1914, and then declined to 4,663,000 pounds in 1925. Since 1916 the United States catch has tended to decrease and the Canadian catch to increase. In 1916 the United States catch was about 70 per cent larger than the Canadian catch, but since 1923 the catches of the two countries have been about equal.

The total yield of yellow perch, varying between 5,443,000 and 7,966,000 pounds, was relatively constant during the period 1913 to 1925, although the United States catch has declined while the Canadian catch has increased. In the early part of this period the United States catch was about five times the Canadian catch, but since 1922 it has been less than twice the Canadian catch.

The following table shows the yield of these and the remaining species, as recorded by the States bordering the Great Lakes and as published by the Canadian Government.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925
(expressed in thousands of pounds; that is, 000 omitted)

LAKE TROUT

Year	Lake Ontario			Lake Erie			Lake Huron		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	27	548	575	2	2	4	2,163	3,324	5,487
1914	[1] 29	600	629	9	2	11	1,357	3,009	4,366
1915	31	551	582	17	2	19	1,774	3,901	5,675
1916	14	348	362	21	4	25	1,734	3,729	5,463
1917	24	464	488	5	2	7	2,111	3,490	5,601
1918	22	386	408	33	2	35	2,601	3,478	6,079
1919	26	553	579	12	2	14	2,316	3,322	5,638
1920	28	459	487	2	1	3	1,210	2,870	4,080
1921	[1] 25	529	554	46	1	47	1,358	3,176	4,534
1922	[1] 34	721	755	2	1	3	1,827	3,769	5,596
1923	[1] 36	749	785	1	[2]	1	1,827	3,397	5,224
1924	45	939	984	1	1	2	1,421	3,790	5,211
1925	70	1,063	1,133	4	1	5	1,502	3,798	5,300

Year	Lake Michigan, United States	Lake Superior			Lake of the Woods, Canada	Total		
		United States	Canada	Total		United States	Canada	Total
1913	6,307	[3] 2,373	1,402	3,775	90	10,872	5,366	16,238
1914	6,837	[3] 1,667	1,439	3,106	162	9,899	5,212	15,111
1915	7,704	[3] 1,366	1,645	3,011	93	10,892	6,192	17,084
1916	5,999	[3] 2,166	1,502	3,668	75	9,934	5,658	15,592
1917	6,612	1,981	1,661	3,642	112	10,733	5,729	16,462
1918	4,810	2,318	2,659	4,977	94	9,784	6,619	16,403
1919	6,482	3,442	1,960	5,402	91	12,278	5,928	18,206
1920	[3] 6,782	[3] 2,044	1,332	3,376	123	10,066	4,785	14,851
1921	6,689	2,121	1,513	3,634	80	10,239	5,299	15,538
1922	7,065	2,173	1,872	4,045	88	11,101	6,451	17,552
1923	6,177	1,900	1,956	3,856	73	9,941	6,175	16,116
1924	6,628	2,049	1,711	3,760	86	10,144	6,527	16,671
1925	6,894	2,655	1,868	4,523	130	11,125	6,860	17,985

WHITEFISH

Year	Lake Ontario			Lake Erie			Lake Huron			Lake Michigan
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total	United States
1913	16	473	489	1,509	1,939	3,448	745	1,010	1,755	1,355
1914	[1] 21	516	537	2,083	1,993	4,076	1,444	1,194	2,638	1,439
1915	27	810	837	1,145	1,832	2,977	871	1,101	1,972	1,613
1916	38	1,131	1,169	930	1,086	2,016	1,996	1,240	3,236	1,693
1917	116	1,140	1,256	1,777	1,240	3,017	889	1,069	1,958	2,663
1918	101	1,274	1,375	1,600	1,128	2,728	1,170	1,113	2,283	2,427
1919	76	1,586	1,662	1,723	1,094	2,817	785	1,281	2,066	1,548
1920	44	2,024	2,068	1,426	818	2,244	692	1,430	2,122	[4] 1,151
1921	[1] 109	2,157	2,266	922	965	1,887	815	1,286	2,101	1,397
1922	[1] 106	2,097	2,203	791	751	1,542	1,635	1,389	3,024	1,435
1923	[1] 130	2,564	2,694	489	536	1,025	1,231	1,517	2,748	1,634
1924	137	2,654	2,791	331	580	911	1,427	1,476	2,903	1,601
1925	111	1,926	2,037	583	1,033	1,616	1,049	1,617	2,666	1,652

[1] New York yield estimated.
[2] Yield less than 500 pounds.
[3] Minnesota yield estimated.
[4] Wisconsin yield estimated.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

WHITEFISH—Continued

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	[3] 67	373	440	[3] 111	1,199	1,310	3,803	4,994	8,797
1914	[3] 372	338	710	92	995	1,087	5,451	5,036	10,487
1915	[3] 600	842	1,442	125	1,350	1,475	4,381	5,935	10,316
1916	[3] 231	465	696	64	685	749	4,952	4,607	9,559
1917	265	446	711	63	681	744	5,773	4,576	10,349
1918	334	1,517	1,851	63	678	741	5,695	5,710	11,405
1919	266	2,030	2,296	46	496	542	4,444	6,487	10,931
1920	[4] 282	1,705	1,987	39	398	437	3,634	6,375	10,009
1921	259	1,497	1,756	30	385	415	3,532	6,290	9,822
1922	330	1,198	1,528	28	590	618	4,325	6,025	10,350
1923	154	1,267	1,421	39	604	643	3,677	6,488	10,165
1924	269	283	552	29	735	764	3,794	5,728	9,522
1925	247	347	594	26	737	763	3,668	5,660	9,328

LAKE HERRING

Year	Lake Ontario			Lake Huron			Lake Michigan
	United States	Canada	Total	United States	Canada	Total	United States
1913	85	686	771	2,399	217	2,616	8,452
1914	[1] 159	991	1,150	2,357	211	2,568	7,476
1915	232	1,706	1,938	1,491	360	1,851	10,071
1916	188	1,610	1,798	7,674	291	7,965	6,781
1917	381	1,930	2,311	4,411	506	4,917	8,540
1918	206	1,795	2,001	5,044	332	5,376	7,335
1919	181	1,709	1,890	4,836	232	5,068	10,932
1920	144	1,288	1,432	3,387	246	3,633	[4] 6,710
1921	1,521	1,014	2,535	2,164	189	2,353	2,472
1922	514	243	857	4,396	269	4,665	3,248
1923	59	250	309	3,039	229	3,268	2,930
1924	394	263	657	3,090	255	3,345	3,223
1925	47	294	341	1,412	242	1,654	4,143

Year	Lake Superior			Total		
	United States	Canada	Total	United States	Canada	Total
1913	[3] 3,163	299	3,462	14,099	1,202	15,301
1914	[3] 4,420	782	5,202	14,412	1,984	16,396
1915	[3] 3,130	2,777	5,907	14,924	4,843	19,767
1916	[3] 2,338	3,127	5,465	16,981	5,028	22,005
1917	7,009	2,443	9,452	20,341	4,879	25,220
1918	8,142	3,682	11,824	20,727	5,809	26,536
1919	6,344	1,508	7,852	22,293	3,449	25,742
1920	[4] 6,562	1,287	7,849	16,803	2,821	19,624
1921	4,728	425	5,153	10,885	1,628	12,513
1922	3,573	577	4,150	11,731	1,189	12,920
1923	5,132	1,079	6,211	11,160	1,558	12,718
1924	6,108	1,050	7,158	12,815	1,568	14,383
1925	8,947	1,147	10,094	14,549	1,683	16,232

[1] New York yield estimated. [3] Minnesota yield estimated. [4] Wisconsin yield estimated

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

CHUBS

Year	Lake Huron			Lake Michigan	Lake Superior			Total		
	United States	Canada	Total	United States	United	Canada	Total	United States	Canada	Total
1913	919	329	1,248	4,210	33	1	34	5,162	330	5,492
1914	52	479	531	3,863	23	7	30	3,938	486	4,424
1915	513	365	878	3,297	55	9	64	3,865	374	4,239
1916	23	649	672	3,142	82	2	84	3,247	651	3,898
1917	214	819	1,033	4,697	188	----	188	5,099	819	5,918
1918	742	375	1,117	6,758	210	9	219	7,710	384	8,094
1919	498	250	748	5,772	80	1	81	6,350	251	6,601
1920	243	303	546	3,545	59	(2)	59	3,847	303	4,150
1921	494	254	748	1,850	94	(2)	94	2,438	254	2,692
1922	341	207	548	1,860	163	(2)	163	2,364	207	2,571
1923	369	203	572	1,488	98	1	99	1,955	204	2,159
1924	255	241	496	2,703	[3] 83	1	84	3,041	242	3,283
1925	1,480	429	1,909	4,481	55	(2)	55	6,016	429	6,445

CISCO

Year	Lake Erie			Year	Lake Erie		
	United States	Canada	Total		United States	Canada	Total
1913	12,513	11,608	24,121	1920	12,893	9,651	22,544
1914	14,108	5,982	20,090	1921	14,964	5,225	20,189
1915	15,978	5,574	21,552	1922	14,022	6,306	20,328
1916	8,337	5,211	13,548	1923	20,930	9,241	30,171
1917	19,453	14,158	33,611	1924	21,293	10,908	32,201
1918	35,291	13,532	48,823	1925	2,817	2,840	5,657
1919	17,846	7,426	25,272				

STURGEON

Year	Lake Ontario			Lake Erie			Lake Huron			Lake Michigan
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total	United States
1913	4	(2)	4	6	48	54	8	51	59	12
1914	[1] 7	(2)	7	12	56	68	7	52	59	11
1915	10	2	12	20	56	76	28	46	74	13
1916	5	3	8	38	68	106	7	29	36	7
1917	3	2	5	28	47	75	4	33	37	6
1918	12	2	14	16	52	68	4	34	38	26
1919	4	----	4	19	43	62	57	26	83	7
1920	2	1	3	9	(2)	9	12	26	38	13
1921	[1] 3	2	5	8	----	8	4	24	28	7
1922	[1] 3	2	5	15	36	51	3	27	30	8
1923	[1] 5	3	8	1	41	42	2	25	27	7
1924	12	7	19	7	44	51	2	22	24	5
1925	4	6	10	7	42	49	1	22	23	9

[1] New York yield estimated. [2] Yield less than 500 pounds. [3] Minnesota yield estimated.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

STURGEON—Continued

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	1	3	4	[3] 36	90	126	67	192	259
1914	1	9	10	[3] 38	96	134	76	213	289
1915	4	16	20	[3] 34	86	120	109	206	315
1916	([2])	3	3	[3] 3	9	12	60	112	172
1917		5	5	[3] 8	20	28	49	107	156
1918	([2])	6	6	[3] 10	24	34	68	118	186
1919	3	22	25	6	14	20	96	105	201
1920	([2])	31	31	4	9	13	40	67	107
1921	([2])	26	26	3	2	5	25	54	79
1922	1	23	24	3	4	7	33	92	125
1923	1	27	28	4	14	18	20	110	130
1924	1	4	5	3	43	46	30	120	150
1925	([2])	3	3	3	17	20	24	90	114

YELLOW PIKE

Year	Lake Ontario			Lake Erie			Lake Huron			Lake Michigan, United States
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total	
1913	4	27	31	422	964	1,386	416	604	1,020	165
1914		64	64	1,850	2,086	3,936	340	667	1,007	225
1915	5	86	91	1,824	608	2,432	1,067	586	1,653	216
1916	5	40	45	2,025	599	2,624	846	539	1,385	275
1917	5	54	59	1,617	227	1,844	1,147	501	1,648	194
1918	12	15	27	814	184	998	1,904	466	2,370	121
1919	8	40	48	597	144	741	1,388	485	1,873	122
1920	9	37	46	884	166	1,050	844	449	1,293	[4] 113
1921	[1] 23	73	96	1,032	311	1,343	724	324	1,048	141
1922	[1] 36	116	152	1,051	505	1,556	1,284	446	1,730	64
1923	[1] 52	168	220	1,127	603	1,730	809	483	1,292	99
1924	38	122	160	1,002	615	1,617	729	502	1,231	111
1925	29	71	100	1,431	224	1,655	122	500	622	93

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	62	104	166	[3] 429	880	1,309	1,498	2,579	4,077
1914	61	129	190	[3] 450	923	1,373	2,926	3,869	6,795
1915	71	180	251	[3] 567	1,164	1,731	3,750	2,624	6,374
1916	30	90	120	[3] 313	641	954	3,494	1,909	5,403
1917	25	70	95	[3] 469	962	1,431	3,457	1,814	5,271
1918	45	107	152	[3] 367	753	1,120	3,263	1,525	4,788
1919	17	141	158	408	837	1,245	2,540	1,647	4,187
1920	[4] 18	119	137	389	649	1,038	2,257	1,420	3,677
1921	[5] 22	199	221	352	972	1,324	2,294	1,879	4,173
1922	28	164	192	444	1,042	1,486	2,907	2,273	5,180
1923	22	159	181	652	1,152	1,804	2,761	2,565	5,326
1924	23	81	104	659	1,398	2,057	2,562	2,718	5,279
1925	19	94	113	626	1,454	2,080	2,320	2,343	4,663

[1] New York yield estimated.
[2] Yield less than 500 pounds.
[3] Minnesota yield estimated.
[4] Wisconsin yield estimated.
[5] Michigan yield estimated.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

BLUE PIKE

Year	Lake Ontario			Lake Erie			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	39		39	1,843	[6] 488	2,331	1,882	488	2,370
1914	[1] 39		39	11,396	[6] 2,968	14,364	11,435	2,968	14,403
1915	50		50	18,761	4,882	23,643	18,811	4,882	23,693
1916	22		22	9,381	2,539	11,920	9,403	2,539	11,942
1917	50		50	1,605	565	2,170	1,655	565	2,220
1918	108	15	123	1,222	785	2,007	1,330	800	2,130
1919	35	3	38	1,675	2,388	4,063	1,710	2,391	4,101
1920	[1] 18	10	28	3,965	3,355	7,320	3,983	3,365	7,348
1921	[1] 2	23	25	8,944	6,367	15,311	8,946	6,390	15,336
1922	[1] 2	29	31	10,359	6,313	16,672	10,361	6,342	16,703
1923	[1] 3	50	53	9,683	3,194	12,877	9,686	3,244	12,930
1924	3	48	51	8,967	2,988	11,955	8,970	3,036	12,006
1925	35	15	50	10,478	3,430	13,908	10,513	3,445	13,958

SAUGER

Year	Lake Erie, United States	Year	Lake Erie, United States	Year	Lake Erie, United States
1913	1,248	1918	2,101	1922	4,623
1914	4,569	1919	2,655	1923	3,321
1915	4,533	1920	2,932	1924	1,847
1916	6,187	1921	5,010	1925	2,119
1917	4,336				

SUCKERS OR "MULLET" [7]

Year	United States					
	Lake Ontario	Lake Erie	Lake Huron	Lake Michigan	Lake Superior	Total
1913	9	466	1,580	700	[3] 240	2,995
1914	[1] 16	1,316	1,501	3,093	[3] 259	6,185
1915	23	1,124	2,306	824	[3] 240	4,517
1916	17	1,321	2,266	963	[3] 234	4,801
1917	13	1,058	1,465	2,955	208	5,699
1918	20	911	1,779	663	176	3,549
1919	40	953	2,714	1,097	204	5,008
1920	17	1,061	1,900	919	181	4,078
1921	[1] 20	[1] 1,420	1,803	639	159	4,041
1922	[1] 20	[1] 991	1,986	626	165	3,788
1923	24	1,038	1,445	570	110	3,187
1924	92	684	1,182	619	146	2,723
1925	40	905	772	905	140	2,762

SHEEPSHEAD

Year	United States				Year	United States			
	Lake Erie	Lake Huron	Lake Michigan	Total		Lake Erie	Lake Huron	Lake Michigan	Total
1913	596			596	1920	1,926	42	16	1,984
1914	2,282			2,282	1921	2,842	47	16	2,905
1915	2,212			2,212	1922	1,370	42	3	1,415
1916	2,384			2,384	1923	1,456	58	7	1,521
1917	3,013			3,013	1924	2,288	41	5	2,334
1918	2,982			2,982	1925	2,365	18	12	2,395
1919	2,119	13	18	2,150					

[1] New York yield estimated. [6] Estimated.
[3] Minnesota yield estimated. [7] Mullet in Lake of the Woods are included with miscellaneous fish.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

YELLOW PERCH

Year	Lake Ontario			Lake Erie			Lake Huron			Lake Michigan, United States
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total	
1913	4	125	129	756	955	1,711	2,323	61	2,384	2,935
1914	-------	105	105	2,026	1,408	3,434	997	137	1,134	2,731
1915	7	119	126	1,933	1,042	2,975	1,371	189	1,560	2,790
1916	4	167	171	1,637	769	2,406	1,795	170	1,965	2,263
1917	5	214	219	1,259	995	2,254	891	147	1,038	1,927
1918	3	108	111	1,088	2,056	3,144	934	78	1,012	1,928
1919	3	159	162	2,775	1,097	3,872	1,337	85	1,422	2,490
1920	4	107	111	1,259	1,272	2,531	1,051	142	1,193	[4] 2,257
1921	[1] 10	87	97	2,192	1,965	4,157	945	143	1,088	2,105
1922	[1] 8	74	82	1,926	2,109	4,035	674	148	822	924
1923	[1] 9	83	92	1,870	2,397	4,267	759	142	901	873
1924	9	80	89	1,940	2,192	4,132	330	108	438	1,044
1925	9	90	99	2,458	2,060	4,518	114	74	188	1,512

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	7	-------	7	-------	-------	-------	6,025	1,141	7,166
1914	17	([2])	17	([2] [5])	1	1	5,771	1,651	7,422
1915	17	([2])	17	[3] 6	8	14	6,124	1,358	7,482
1916	3	([2])	3	[3] 6	8	14	5,708	1,114	6,822
1917	3	-------	3	[3] 1	1	2	4,086	1,357	5,443
1918	19	-------	19	[3] 6	7	13	3,978	2,249	6,227
1919	3	-------	3	7	10	17	6,615	1,351	7,966
1920	[4] 13	-------	13	7	12	19	4,591	1,533	6,124
1921	10	-------	10	6	8	14	5,268	2,203	7,471
1922	17	([2])	17	6	15	21	3,555	2,346	5,901
1923	6	-------	6	8	5	13	3,525	2,627	6,152
1924	9	([2])	9	13	10	23	3,345	2,390	5,735
1925	2	-------	2	15	9	24	4,110	2,233	6,343

PIKE (JACKS)

Year	Lake Ontario	Lake Erie			Lake Huron			Lake Michigan
	Canada	United States	Canada	Total	United States	Canada	Total	United States
1913	221	[5] 55	2,288	2,343	[5] 40	126	166	[8] 28
1914	248	[5] 71	2,927	2,998	[5] 27	201	228	40
1915	337	[5] 15	630	645	[5] 5	180	185	[8] 51
1916	283	[5] 11	437	448	[5] 27	125	152	[8] 63
1917	280	[5] 3	142	145	[5] 43	196	239	[8] 74
1918	213	[5] 6	229	235	[5] 36	100	136	[8] 85
1919	246	18	727	745	83	192	275	97
1920	311	29	115	144	69	118	187	[8] 79
1921	233	30	97	127	82	229	311	93
1922	250	6	144	150	53	217	270	94
1923	281	5	130	135	54	197	251	38
1924	256	6	72	78	38	195	233	35
1925	192	7	29	36	18	197	215	26

[1] New York yield estimated.
[2] Yield less than 500 pounds.
[3] Minnesota yield estimated.
[4] Wisconsin yield estimated.
[5] Michigan yield estimated.
[8] Michigan and Wisconsin yields estimated.

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Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

PIKE (JACKS)—Continued

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	[4] 6	38	44	[3] 298	693	991	427	3,366	3,793
1914	[4] 29	201	230	[3] 327	761	1,088	494	4,338	4,832
1915	[4] 10	71	81	[3] 525	1,222	1,747	606	2,440	3,046
1916	[4] 4	25	29	[3] 218	508	726	323	1,378	1,701
1917	[4] 3	18	21	[3] 338	787	1,125	461	1,423	1,884
1918	([2])	18	18	[3] 290	674	964	417	1,234	1,651
1919	3	19	22	273	635	908	474	1,819	2,293
1920	4	15	19	425	449	874	606	1,008	1,614
1921	10	54	64	251	451	702	466	1,064	1,530
1922	13	30	43	236	488	724	402	1,129	1,531
1923	10	23	33	237	455	692	344	1,086	1,430
1924	84	19	103	237	603	840	400	1,145	1,545
1925	7	12	19	211	730	941	269	1,160	1,429

CARP

Year	Lake Ontario			Lake Erie			Lake Huron		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	1	48	49	1,690	374	2,064	375	2	377
1914	[1] 1	81	82	[4] 12,024	1,395	13,419	14	14	28
1915	1	113	114	9,615	905	10,520	516	27	543
1916	1	268	269	5,859	782	6,641		35	35
1917	7	391	398	4,569	667	5,236	26	16	42
1918	([2])	142	142	4,172	711	4,883	643	14	657
1919	3	169	172	2,961	378	3,339	1,109	62	1,171
1920	([2])	66	66	4,102	432	4,534	1,721	76	1,797
1921	[1] 17	63	80	[1] 6,542	345	6,887	857	83	940
1922	[1] 32	121	153	[1] 3,887	234	4,121	1,169	70	1,239
1923	261	103	364	3,215	286	3,501	297	59	356
1924	21	78	99	1,256	289	1,545	496	50	546
1925	1	30	31	2,339	244	2,583	57	46	103

Year	Lake Michigan	Lake Superior			Lake of the Woods	Total		
	United States	United States	Canada	Total	Canada	United States	Canada	Total
1913	6					2,072	424	2,496
1914					125	12,039	1,615	13,654
1915	9		1	1	190	10,141	1,236	11,377
1916	1				12	5,861	1,097	6,958
1917			1	1	([2])	4,602	1,075	5,677
1918	5		1	1	12	4,820	880	5,700
1919	7				53	4,080	662	4,742
1920	5	([2])			9	5,828	583	6,411
1921	4		5	5	8	7,420	504	7,924
1922	6		7	7	3	5,094	435	5,529
1923	7		5	5	14	3,780	467	4,247
1924	7		2	2	14	1,780	433	2,213
1925	12				7	2,409	327	2,736

[1] New York yield estimated.
[2] Yield less than 500 pounds.
[3] Minnesota yield estimated.
[4] Wisconsin yield estimated.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

WHITE BASS

Year	United States				Year	United States			
	Lake Erie	Lake Michigan	Lake Superior	Total		Lake Erie	Lake Michigan	Lake Superior	Total
1913	512	14		526	1920	504	[4] 10		514
1914	478	(2)		478	1921	841	12		853
1915	694	1		695	1922	821	[4] 10		831
1916	343		(2)	343	1923	300	[4] 10		310
1917	333			333	1924	182	[4] 10		192
1918	129	(2)		129	1925	232			232
1919	193	10	2	205					

CATFISH

Year	Lake Ontario			Lake Erie			Lake Huron		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	2	279	281	160	27	187	[5] 34	9	43
1914	[1] 1	269	270	771	49	820	[5] 29	5	34
1915	1	268	269	592	38	630	[5] 3	10	13
1916	15	302	317	1,247	23	1,270	[5] 19	6	25
1917	3	225	228	2,191	37	2,228	[5] 102	8	110
1918	2	236	238	420	47	467	[5] 92	5	97
1919	1	248	249	1,091	34	1,125	70	6	76
1920	1	170	171	730	42	772	43	4	47
1921	[1] 49	184	233	1,422	46	1,468	28	18	46
1922	[1] 47	178	225	705	58	763	49	7	56
1923	[1] 48	181	229	642	58	700	22	8	30
1924	43	162	205	275	57	332	48	7	55
1925	3	122	125	685	37	722	22	8	30

Year	Lake Michigan	Lake Superior	Lake of the Woods	Total		
	United States	Canada	Canada	United States	Canada	Total
1913			17	196	332	528
1914		3	66	801	392	1,193
1915			119	596	435	1,031
1916		(2)		1,281	331	1,612
1917		(2)	8	2,296	278	2,574
1918			208	514	496	1,010
1919	2		77	1,164	365	1,529
1920	2		53	776	269	1,045
1921	3		51	1,502	299	1,801
1922	4			805	243	1,048
1923	4			716	247	963
1924	(2)			366	226	592
1925	125		66	835	233	1,068

TULLIBEES

Year	Lake of the Woods			Year	Lake of the Woods		
	United States	Canada	Total		United States	Canada	Total
1913	[9]	177	177	1920	[9]	129	129
1914	[9]	127	127	1921	[9]	117	117
1915	[9]	262	262	1922	[9]	131	131
1916	[9]	139	139	1923	[9]	112	112
1917	[9]	174	174	1924	[9]	255	255
1918	[9]	240	240	1925	301	461	762
1919	[9]	241	241				

[1] New York yield estimated.
[2] Yield less than 500 pounds.
[4] Wisconsin yield estimated.
[5] Michigan yield estimated.
[9] Included with miscellaneous fish prior to 1925.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

BURBOT

Year	United States					
	Lake Ontario	Lake Erie	Lake Huron	Lake Michigan	Lake Superior	Total
1913		42	(10)			42
1914		108	(10)			108
1915		45	(10)			45
1916		247	(10)			247
1917	46	23	(10)			69
1918	34	346	(10)			380
1919	94	407	18	22	1	542
1920	43	371	25	60	(2)	499
1921	6 40	441	1	7	1	490
1922	6 40	262	4	16	1	323
1923	6 40	255	8	7	(2)	310
1924	40	142	15	12	1	210
1925	84	130	(2)	55	(2)	269

MISCELLANEOUS FISH

Year	Lake Ontario			Lake Erie			Lake Huron			Lake Michigan
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total	United States
1913	19	550	569	300	860	1,160	182	550	732	2,810
1914	1 4	651	655	468	1,116	1,584	123	647	770	2,480
1915	8	658	666	1,001	970	1,971	300	552	852	5,091
1916	8	775	783	1,255	1,105	2,360	758	476	1,234	1,836
1917	3	844	847	146	700	846	1,209	518	1,727	1,649
1918	4	847	851	348	767	1,115	17	502	519	2,517
1919	1	770	771	110	795	905	16	538	554	1,214
1920	4	506	510	99	939	1,038	11	565	576	4 1,391
1921	36	529	565	75	1,087	1,162	8	652	660	1,583
1922	47	595	642	83	1,227	1,310	18	613	631	1,242
1923	43	502	545	45	1,287	1,332		551	551	1,507
1924	215	575	790	43	1,231	1,274		614	614	1,691
1925	13	542	555	79	1,140	1,219	(2)	815	815	1,791

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	465	111	576	3 510	247	757	4,286	2,318	6,604
1914	239	26	265	3 339	164	503	3,663	2,604	6,257
1915	201	157	358	3 168	141	309	6,769	2,478	9,247
1916	349	250	599	3 683	366	1,049	4,889	2,972	7,861
1917	207	333	540	3 1,224	593	1,817	4,438	2,988	7,426
1918	302	755	1,057	3 753	377	1,130	3,941	3,248	7,189
1919	135	290	425	537	260	797	2,013	2,653	4,666
1920	104	143	247	435	197	632	2,044	2,350	4,394
1921	72	88	160	406	166	572	2,180	2,522	4,702
1922	105	114	219	261	152	413	1,756	2,701	4,457
1923	151	50	201	219	135	354	1,965	2,525	4,490
1924	171	65	236	315	212	527	2,435	2,697	5,132
1925	235	96	331	281	800	1,081	2,399	3,393	5,792

[1] New York yield estimated.
[2] Yield less than 500 pounds.
[3] Minnesota yield estimated.
[4] Wisconsin yield estimated.
[6] Estimated.
[10] Included with miscellaneous fish prior to 1919.

Yield of the fisheries of the Great Lakes and Lake of the Woods, 1913 to 1925 (expressed in thousands of pounds; that is, 000 omitted)—Continued

SUMMARY OF THE YIELD BY LAKES AND YEARS

Year	Lake Ontario			Lake Erie			Lake Huron			Lake Michigan
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total	United States
1913	210	2,957	3,167	22,120	19,553	41,673	11,184	6,283	17,467	26,994
1914	277	3,525	3,802	53,571	19,982	73,553	8,248	6,616	14,864	28,195
1915	395	4,650	5,045	59,509	16,539	76,048	10,245	7,317	17,562	31,680
1916	317	4,927	5,244	41,223	12,623	53,846	17,145	7,289	24,434	23,023
1917	656	5,544	6,200	41,416	18,780	60,196	12,512	7,303	19,815	29,317
1918	524	5,033	5,557	51,479	19,493	70,972	14,966	6,497	21,463	26,675
1919	472	5,483	5,955	35,154	14,128	49,282	15,240	6,479	21,719	29,820
1920	314	4,979	5,293	32,192	16,791	47,983	11,250	6,229	17,479	23,053
1921	1,855	4,894	6,749	46,731	16,409	63,140	9,330	6,378	15,708	17,018
1922	889	4,526	5,415	40,912	17,684	58,596	13,481	7,162	20,643	16,605
1923	710	4,934	5,644	44,378	17,773	62,151	9,920	6,811	16,731	15,358
1924	1,049	5,184	6,233	40,264	18,977	59,241	9,074	7,260	16,334	17,694
1925	446	4,351	4,797	26,639	11,080	37,719	6,567	7,748	14,315	21,710

Year	Lake Superior			Lake of the Woods			Total		
	United States	Canada	Total	United States	Canada	Total	United States	Canada	Total
1913	6,417	2,331	8,748	1,384	3,393	4,777	68,309	34,517	102,826
1914	7,088	2,934	10,022	1,246	3,420	4,666	98,625	36,477	135,102
1915	5,694	5,698	11,392	1,425	4,635	6,060	108,948	38,839	147,787
1916	5,437	5,464	10,901	1,287	2,443	3,730	88,432	32,746	121,178
1917	9,889	4,977	14,866	2,103	3,338	5,441	95,893	39,942	135,835
1918	11,546	8,754	20,300	1,489	3,067	4,556	106,679	42,844	149,523
1919	10,500	5,971	16,471	1,277	2,714	3,991	92,463	34,775	127,238
1920	9,267	4,632	13,899	1,299	2,028	3,327	77,375	34,659	112,034
1921	7,476	3,807	11,283	1,048	2,240	3,288	83,458	33,728	117,186
1922	6,569	3,985	10,554	978	2,513	3,491	79,434	35,870	115,304
1923	7,584	4,567	12,151	1,159	2,544	3,703	79,109	36,629	115,738
1924	8,944	3,216	12,160	1,256	3,356	4,612	78,281	37,993	116,274
1925	12,307	3,567	15,874	1,463	4,411	5,874	69,132	31,157	100,289

FISHERIES OF THE PACIFIC COAST STATES, 1924

The plan adopted for obtaining annual statistics on the fisheries of the Pacific Coast States in 1923 was used again in the canvass of these States for 1924. The statistics given herein are the available State statistics, supplemented and made uniform in character and scope by canvassing the industry for the necessary additional information.[4]

The Pacific Coast States, with their valuable salmon, halibut, tuna, and sardine fisheries, constitute one of our most important fishery sections. In 1924 there were 15,359 persons, 560 vessels

[4] The State of Washington requires reports from fishermen and fish dealers on the quantity of each species caught within the territorial limits of the State. Oregon requires periodical reports from fish dealers on the quantities of certain species (salmon, shad, sturgeon, clams, and crabs). Values of these were calculated from estimates of average prices secured from fish dealers. Quantities and values of the remaining species and all fish caught in the high seas and Indian reservations were secured by canvassing. Statistics on persons, vessels, boats, and gear were obtained from the State license lists and supplemented by canvass, as in the case of quantities and values.

The State of California requires a carbon copy of the receipt for all fish landed in California by fishing vessels and boats, regardless of source. Fish caught in waters off the Mexican coast are designated separately. The statistics on quantities, by species, were taken from the State tabulations, and values were secured by calculating from price estimates of representative wholesalers. Statistics of the Alaska cod caught by California vessels, and of the California whaling operations, were secured direct from the companies concerned. Statistics on persons, boats, and gear were taken from the State's registration lists.

In Washington and Oregon the Statistics were credited to the district in which the fishing was done, except the ocean fisheries, which were credited to the district in which the fish were landed. In California the statistics on the catch were credited to the district where landed, and the men, vessels, boats, gear, etc., to the home port of the fishermen.

fishing and transporting fish, 5,727 power boats, and 676 rowboats in these States engaged in producing 473,697,017 pounds of fish, shellfish, and whale products, valued at $20,052,214 to the fishermen.

Judging from first values, the salmon fishery was the most important of the Pacific coast fisheries, producing 101,960,651 pounds, valued at $7,825,101 to the fishermen. Next in importance was the tuna fishery, prosecuted in the waters of California, which produced 29,365,748 pounds of albacore, tuna, bonito, and skipjack, valued at $2,621,424. Of third importance was the halibut fishery, which centers at Seattle. The total catch credited to the Pacific Coast States was 15,973,183 pounds, valued at $2,138,170. In addition to this, vessels of the Pacific Coast States landed 3,798,508 pounds, valued at $363,881, in ports of Alaska. The sardine fishery of southern California ranked fourth, with 242,685,958 pounds, valued at $2,079,727.

Personnel and fishing craft employed in the fisheries of the Pacific Coast States, 1924

Items	Washington	Oregon	California	Total
Vessel fishery:	*Number*	*Number*	*Number*	*Number*
Fishermen	1,639	25	1,933	3,597
Vessels	217	6	337	560
Tonnage	6,175	68	5,821	12,064
Shore fishery:				
Fishermen	4,551	4,335	2,876	11,762
Power boats	2,036	2,178	1,513	5,727
Rowboats	261	283	132	676

Yield of the fisheries of the Pacific Coast States in 1924

Species	Washington		Oregon		California		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore					17,695,362	$1,828,812	17,695,362	$1,828,812
Anchovies					346,951	1,984	346,951	1,984
Barracuda					7,128,523	257,022	7,128,523	257,022
Bonito					1,038,369	29,130	1,038,369	29,130
Carp	379,258	$11,376			75,965	1,554	455,223	12,930
Catfish					351,960	51,977	351,960	51,977
Cod, dry salted	3,700,791	176,815			2,884,028	190,041	6,584,819	366,856
Flounders	188,273	3,778			2,081,470	59,290	2,269,743	63,068
Grayfish	97,005	247			392,634	11,982	489,639	12,229
Hake					60,780	1,519	60,780	1,519
Halibut	15,329,569	2,040,881	510,977	$81,373	132,637	15,916	15,973,183	2,138,170
Halibut, "California"					2,576,261	348,759	2,576,261	348,759
Hardhead					19,023	761	19,023	761
Herring	183,444	1,836			435,620	8,602	619,064	10,438
Kingfish					384,317	8,892	384,317	8,892
"Lingcod"	476,926	15,025	51,630	1,549	400,432	24,026	928,988	40,600
Mackerel					3,240,534	86,834	3,240,534	86,834
Mullet					61,971	3,343	61,971	3,343
Pilchard or sardine					242,685,958	2,079,727	242,685,958	2,079,727
Pompano					17,579	7,855	17,579	7,855
Rock bass					466,208	38,876	466,208	38,876
Rockfishes	295,187	10,715	39,223	1,172	4,716,790	211,344	5,051,200	223,231
Sablefish	1,894,527	103,394	161,348	8,067	933,310	34,540	2,989,185	146,001
Salmon	58,625,990	3,953,098	33,319,392	2,846,165	10,015,269	1,025,838	101,960,651	7,825,101
Sculpin					109,070	10,213	109,070	10,213
Sea bass:								
Black					231,404	4,163	231,404	4,163
White, or squeteague					1,515,584	185,086	1,515,584	185,086
Shad	193,442	1,940	983,422	10,561	1,539,217	74,553	2,716,081	87,054
Sheepshead					24,267	493	24,267	493
Skates	10,179	103			131,137	1,967	141,316	2,070
Skipjack or striped tuna					3,780,971	179,210	3,780,971	179,210
Smelt:								
Silver	457,506	45,750			721,912	40,651	1,179,418	86,401
Eulachon	983,353	9,835	226,800	2,268			1,210,153	12,103
"Sole"	266,377	7,986			8,835,351	307,809	9,101,728	315,795
Steelhead trout	1,143,453	66,439	3,604,558	197,053	87,088	7,402	4,835,099	270,894
Striped bass					661,777	87,493	661,777	87,493
Sturgeon	86,205	6,109	175,507	10,821			261,712	16,930

Yield of the fisheries of the Pacific Coast States in 1924—Continued

Species	Washington		Oregon		California		Total	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Surf fishes	43,896	$2,194			288,969	$13,767	332,865	$15,961
Swordfish					31,833	3,610	31,833	3,610
Tomcod	424	4			42,524	978	42,948	982
Tuna:								
Bluefin					3,241,110	291,306	3,241,110	291,306
Yellowfin					3,063,398	244,389	3,063,398	244,389
Mixed					546,538	48,577	546,538	48,577
Whitebait					122,483	2,449	122,483	2,449
Whitefish					273,077	14,391	273,077	14,391
Yellowtail					4,714,149	375,156	4,714,149	375,156
Other fish					376,640	18,658	376,640	18,658
Total	84,355,805	6,457,525	39,072,857	$3,159,029	328,480,450	8,240,945	451,909,112	17,857,499
SHELLFISH								
Crabs	1,145,587	66,578	433,411	31,474	1,506,816	126,616	3,085,814	224,668
Crawfish			12,200	966			12,200	966
Sea crawfish or spiny lobster					1,027,312	199,650	1,027,312	199,650
Shrimp	38,012	5,702			1,551,086	155,109	1,589,098	160,811
Clams:								
Cockle					845	571	845	571
Hard	203,412	26,479	800	180			204,212	26,659
Mixed					7,407	3,333	7,407	3,333
Pismo					73,287	35,178	73,287	35,178
Razor	524,205	72,842	32,879	5,032			557,084	77,874
Soft			14,621	2,631	40,554	15,816	55,175	18,447
Mussels					8,204	1,119	8,204	1,119
Oysters:								
Eastern, market	36,022	23,362			52,678	22,576	88,700	45,938
Native, market	650,700	342,447	11,070	4,305			661,770	346,752
Japanese, market	15,680	9,997					15,680	9,997
Scallops	4,200	1,155					4,200	1,155
Abalone					449,362	249,646	449,362	249,646
Octopus	104,534	3,137			166,291	6,570	270,825	9,707
Squid					6,831,029	409,350	6,831,029	409,350
Terrapin and turtles					363	28	363	28
Total	2,722,352	551,699	504,981	44,588	11,715,234	1,225,562	14,942,567	1,821,849
WHALE PRODUCTS								
Sperm oil	67,875	3,620					67,875	3,620
Whale oil	1,471,875	98,125			2,932,088	216,350	4,403,963	314,475
Other whale products	606,000	12,488			1,767,500	42,283	2,373,500	54,771
Total	2,145,750	114,233			4,699,588	258,633	6,845,338	372,866
Grand total	89,223,907	7,123,457	39,577,838	3,203,617	344,895,272	9,725,140	473,697,017	20,052,214

WASHINGTON

In 1924 the fisheries of Washington employed 6,190 persons, 217 vessels, 2,036 motor boats, and 261 rowboats. The production of the fisheries amounted to 89,223,907 pounds, valued at $7,123,457. Of this value, 90.7 per cent consisted of fish, 7.7 per cent of shellfish, and 1.6 per cent of whale products.

The various species of salmon were the most important of Washington's fishes, yielding 58,625,990 pounds, valued at $3,953,098. Chinook salmon ranked highest in value, yielding 24,697,911 pounds, valued at $2,086,769. Next, in both quantity and value, was silver salmon, with a yield of 16,158,108 pounds, valued at $930,501.

Of second importance was the halibut, the total credited to this State, being 15,329,569 pounds, valued at $2,040,881. In addition to this, the vessels of Washington landed 3,798,508 pounds, valued at $363,881, at ports in Alaska.

Of third importance among the fishes was the cod. The cod fishery, for the most part, is carried on by a few large vessels sailing from ports in the State of Washington to the cod banks in Alaskan waters, where the fishing is done during the summer months, and bringing back their cargoes of salted cod at the end of the season. In 1924, 3,700,791 pounds of salt cod, valued at $176,815, were

reported for Washington ports, which is estimated to be the equivalent of 9,250,000 pounds of fresh cod.

The production of all other fish in 1924 was 6,699,455 pounds, valued at $286,731, of which sablefish, steelhead trout, smelts, and carp were the most important.

The production of shellfish amounted to 2,722,352 pounds, valued at $551,699. In value, the most important shellfish produced in this State was the oyster, with a production of 702,402 pounds of meats, valued at $375,806. The production of razor clams (used largely in canning) amounted to 524,205 pounds, valued at $72,842. Next in importance were crabs, with a yield of 1,145,587 pounds, valued at $66,578. The catch of all other shellfish, including hard clams, shrimp, scallops, and octopus, amounted to 350,158 pounds, valued at $36,473.

The products of the whale fishery, which is prosecuted by vessels operating from shore stations, amounted to 2,145,750 pounds, valued at $114,233, and consisted of 1,471,875 pounds of whale oil, valued at $98,125; 67,875 pounds of sperm oil, valued at $3,620; and other products amounting to 606,000 pounds, valued at $12,488.

Yield of the fisheries of Washington in 1924, by districts and species

Species	Puget Sound		Washington coast		Columbia River		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Carp					379,258	$11,376	379,258	$11,376
Cod, dry-salted	3,700,791	$176,815					3,700,791	176,815
Flounders	188,273	3,778					188,273	3,778
Grayfish	97,005	247					97,005	247
Halibut	15,329,569	2,040,881					15,329,569	2,040,881
Herring	183,444	1,836					183,444	1,836
"Lingcod"	476,926	15,025					476,926	15,025
Rockfishes	295,187	10,715					295,187	10,715
Sablefish	1,894,527	103,394					1,894,527	103,394
Salmon:								
Blueback or sockeye	4,673,641	613,449	230,000	$27,600	148,935	17,874	5,052,576	658,923
Chinook	16,082,053	1,209,725	1,717,614	115,490	6,898,244	761,554	24,697,911	2,086,769
Chum	8,902,233	208,911	2,693,660	38,824	623,252	6,238	12,219,145	253,973
Humpback	498,250	22,932					498,250	22,932
Silver	12,438,989	748,190	1,790,925	93,880	1,928,194	88,431	16,158,108	930,501
Shad	36	1	91	1	193,315	1,938	193,442	1,940
Skates	10,179	103					10,179	103
Smelt:								
Silver	457,506	45,750					457,506	45,750
Eulachon					983,353	9,835	983,353	9,835
"Sole"	266,149	7,979			228	7	266,377	7,986
Steelhead trout	100,433	8,027	34,156	3,750	1,008,864	54,662	1,143,453	66,439
Sturgeon	1,832	169	8,339	627	76,034	5,313	86,205	6,109
Surf fishes	36,574	1,828	7,322	366			43,896	2,194
Tomcod	424	4					424	4
Total	65,634,021	5,219,759	6,482,107	280,538	12,239,677	957,228	84,355,805	6,457,525
SHELLFISH								
Octopus	104,534	3,137					104,534	3,137
Crabs	729,057	43,083	416,530	23,495			1,145,587	66,578
Shrimp	38,012	5,702					38,012	5,702
Clams:								
Hard	203,412	26,479					203,412	26,479
Razor			524,205	72,842			524,205	72,842
Oysters, market:								
Native	625,164	329,487	25,536	12,960			650,700	342,447
Eastern			36,022	23,362			36,022	23,362
Japanese	15,680	9,997					15,680	9,997
Scallops	4,200	1,155					4,200	1,155
Total	1,720,059	419,040	1,002,293	132,659			2,722,352	551,699
WHALE PRODUCTS								
Sperm oil			67,875	3,620			67,875	3,620
Whale oil			1,471,875	98,125			1,471,875	98,125
Other whale products			606,000	12,488			606,000	12,488
Total			2,145,750	114,233			2,145,750	114,233
Grand total	67,354,080	5,638,799	9,630,150	527,430	12,239,677	957,228	89,223,907	7,123,457

Vessel fisheries.—In 1924 the fisheries of Washington employed 217 fishing craft of 5 net tons and over, as measured by the United States Customs Service. This included 4 steamers, totaling 382 net tons; 208 motor vessels, totaling 4,345 net tons; and 5 sailing vessels, totaling 1,448 net tons, engaged in the fisheries of Washington, but does not include transporting vessels engaged principally in the carrying of fish. The total yield of fishing vessels was 34,628,428 pounds, valued at $2,888,327, of which 25,649,628 pounds, valued at $1,810,259, were landed at Washington ports, and 8,978,800 pounds, valued at $1,078,068, at ports in Canada. In addition to this, Washington vessels landed 3,818,439 pounds, valued at $364,256, at ports in Alaska.

Lines, catching virtually all the halibut and cod and quantities of salmon, were the most important apparatus employed by fishing vessels, taking 21,977,482 pounds of fish, valued at $2,369,467. Purse seines follow in importance, yielding 10,438,610 pounds, valued at $402,209, which consisted entirely of salmon and steelhead trout. The whale fishery, located at Grays Harbor, yielded 2,145,750 pounds of products, valued at $114,233. Haul seines, drag bag nets, and beam trawls, which constitute the remainder of the apparatus used on vessels, yielded 66,586 pounds, valued at $2,418.

Vessels engaged in the fisheries of Washington in 1924, by apparatus and rig

Apparatus	Motor vessels			Sailing vessels			Steam vessels			Total		
Lines:	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*
Trawl (ocean)	122	2,749	848	5	1,448	176	1	187	39	128	4,384	1,063
Troll (Cape Flattery)	9	118	57							9	118	57
Purse seines (Puget Sound)	88	1,788	616							88	1,788	616
Haul seines (Puget Sound)	2	22	6							2	22	6
Drag bag nets (Puget Sound)	2	38	6							2	38	6
Beam trawls (Puget Sound)	1	11	5							1	11	5
Whaling apparatus (ocean)							3	195	30	3	195	30
Total [1]	208	4,345	1,394	5	1,448	176	4	382	69	217	6,175	1,639

[1] Exclusive of duplication.

Yield of the vessel fisheries of Washington in 1924, by apparatus and species

Species	Purse seines (Puget Sound)		Haul seines (Puget Sound)		Lines [1] (ocean)	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod, dry salted					[2] 3,700,791	$176,815
Halibut					15,320,660	2,039,773
"Lingcod"			267	$8	467,975	14,753
Rockfishes			487	23	208,855	7,716
Sablefish					1,894,000	103,362
Salmon:						
Blueback or sockeye	614,054	$82,808				
Chinook	49,700	3,634			[3] 265,640	19,850
Chum	7,344,446	172,417				
Humpback	62,170	2,746				
Silver	2,347,386	138,936			[3] 118,246	7,095
"Sole"			3,583	108	550	11
Steelhead trout	20,854	1,668				
Sturgeon					765	92
Surf fishes			557	27		
Total	10,438,610	402,209	4,894	166	21,977,482	2,369,467

[1] The line fishery was prosecuted by vessels sailing from Puget Sound ports, and virtually all of the catch was taken in ocean waters. This includes 8,912,300 pounds of halibut, valued at $1,074,978, and 66,500 pounds of sablefish, valued at $3,090, taken by Washington vessels and landed in Canada. In addition to this, Washington vessels caught 3,798,508 pounds of halibut, valued at $363,881; 16,792 pounds of sablefish, valued at $297; and 3,139 pounds of rockfishes, valued at $78, which were landed in Alaska.

[2] Taken in waters off Alaska.

[3] Taken off Cape Flattery.

Yield of the vessel fisheries of Washington in 1924, by apparatus and species—Con.

Species	Drag bag nets (Puget Sound)		Beam trawls (Puget Sound)		Whaling apparatus (ocean)		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod, dry salted							3,700,791	$176,815
Halibut							15,320,660	2,039,773
Herring	42,490	$425					42,490	425
"Lingcod"							468,242	14,761
Rockfishes	8,145	244					217,487	7,983
Sablefish							1,894,000	103,362
Salmon:								
Blueback or sockeye							614,054	82,808
Chinook							315,340	23,484
Chum							7,344,446	172,417
Humpback							62,170	2,746
Silver							2,465,632	146,031
Smelt, silver	1,510	151					1,510	151
"Sole"							4,133	119
Steelhead trout							20,854	1,668
Sturgeon							765	92
Surf fishes							557	27
Shrimp			9,547	$1,432			9,547	1,432
Whale oil					1,471,875	$98,125	1,471,875	98,125
Sperm oil					67,875	3,620	67,875	3,620
Other whale products					606,000	12,488	606,000	12,488
Total	52,145	820	9,547	1,432	2,145,750	114,233	34,628,428	2,888,327

Men and boats engaged in the shore fisheries of Washington in 1924, by apparatus and districts

Apparatus	Puget Sound			Washington coast			Columbia River			Total		
	Men	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*
Haul seines	160	79					57	20	9	217	99	9
Gill nets:												
Drift	173	171		98	85		539	390		810	646	
Set	6	6		167	81	65	39	32	6	212	119	71
Pound nets	146	71		99	58	10	188	100		433	229	10
Lines	1,279	850		133	82		170	111		1,582	1,043	
Drag bag nets	10	7		2	1					12	8	
Beam trawls	43	22								43	22	
Fish wheels							7			7		
Dip nets	33	33					40	40		73	73	
Reef nets	8	4								8	4	
Brush weir	2	2								2	2	
Crab traps	85	85		36	36					121	121	
Clam hoes, shovels, and forks	370			988						1,358		
Oyster tongs and forks	111	13	162	13	3	19				124	16	181
Total [1]	2,157	1,129	162	1,418	282	84	976	625	15	4,551	2,036	261

[1] Exclusive of duplication.

Shore and boat fisheries.—The statistics on the shore fisheries include the catch by all fishing craft of less than 5 net tons, as measured by the United States Customs Service, as well as all fish caught without the use of boats. In 1924 there were 2,036 motor boats and 261 rowboats employed in the fisheries of Washington. The yield of the shore and boat fisheries amounted to 54,595,479 pounds, valued at $4,235,130, which was considerably greater than the yield of the vessel fisheries.

The catch by pound nets ranked first in importance, both as to amount and value, with the yield of lines being almost identical. In 1924 pound nets yielded 20,113,737 pounds, valued at $1,527,382, and lines, 20,111,519 pounds, valued at $1,400,363. The catch by

pound nets consisted almost entirely of salmon and steelhead trout, with much smaller quantities of flounders, halibut, "lingcod," surf fishes, rockfishes, shad, skate, sole, sturgeon, and octopus. The catch by lines consisted mainly of salmon, with smaller quantities of varieties similar to those taken by the pound nets.

Next in amount and yield were drift and set gill nets, with a total catch amounting to 8,522,857 pounds, valued at $613,208, which consisted almost entirely of salmon and steelhead trout, with much lesser quantities of surf fishes, rockfishes, shad, silver smelt, sturgeon, and octopus.

Haul seines yielded 1,581,022 pounds, valued at $99,240, of which salmon, carp, and silver smelts formed the greater part. The remainder consisted of flounders, herring, surf fishes, sablefish, shad, and sole. The yield of dip nets amounted to 1,168,330 pounds, valued at $28,237, consisting almost entirely of smelts. Other apparatus, including beam trawls, reef nets, fish wheels, drag bag nets, and brush weirs, contributed 522,408 pounds of fish, valued at $24,995.

Of the shellfish appliances, tongs yielded 702,402 pounds of oyster meats, valued at $375,806; hoes, shovels, and forks yielded 727,617 pounds of clam meats, valued at $99,321; and crab traps caught 1,145,587 pounds of crabs, valued at $66,578.

Yield of the shore fisheries of Washington in 1924, by districts and species

Species	Puget Sound		Washington coast		Columbia River		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Carp					379,258	$11,376	379,258	$11,376
Flounders	188,273	$3,778					188,273	3,778
Grayfish	97,005	247					97,005	247
Halibut	8,909	1,108					8,909	1,108
Herring	140,954	1,411					140,954	1,411
"Lingcod"	8,684	264					8,684	264
Rockfishes	77,700	2,732					77,700	2,732
Sablefish	527	32					527	32
Salmon:								
Blueback or sockeye	4,059,587	530,641	230,000	$27,600	148,935	17,874	4,438,522	576,115
Chinook	15,766,713	1,186,241	1,717,614	115,490	6,898,244	761,554	24,382,571	2,063,285
Chum	1,557,787	36,494	2,693,660	38,824	623,252	6,238	4,874,699	81,556
Humpback	436,080	20,186					436,080	20,186
Silver	9,973,357	602,159	1,790,925	93,880	1,928,194	88,431	13,692,476	784,470
Shad	36	1	91	1	193,315	1,938	193,442	1,940
Skates	10,179	103					10,179	103
Smelt:								
Silver	455,996	45,599					455,996	45,599
Eulachon					983,353	9,835	983,353	9,835
"Sole"	262,016	7,860			228	7	262,244	7,867
Steelhead trout	79,579	6,359	34,156	3,750	1,008,864	54,662	1,122,599	64,771
Sturgeon	1,067	77	8,339	627	76,034	5,313	85,440	6,017
Surf fishes	36,017	1,801	7,322	366			43,339	2,167
Tomcod	424	4					424	4
Octopus	104,534	3,137					104,534	3,137
Crabs	729,057	43,083	416,530	23,495			1,145,587	66,578
Shrimp	28,465	4,270					28,465	4,270
Clams:								
Hard	203,412	26,479					203,412	26,479
Razor			524,205	72,842			524,205	72,842
Oysters, market:								
Native	625,164	329,487	25,536	12,960			650,700	342,447
Eastern			36,022	23,362			36,022	23,362
Japanese	15,680	9,997					15,680	9,997
Scallops	4,200	1,155					4,200	1,155
Total	34,871,402	2,864,705	7,484,400	413,197	12,239,677	957,228	54,595,479	4,235,130

Yield of the shore fisheries of Washington in 1924, by districts, apparatus, and species

Apparatus and species	Puget Sound		Washington coast		Columbia River		Total	
Haul seines:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Carp					379,258	$11,376	379,258	$11,376
Flounders	76,922	$1,551					76,922	1,551
Halibut	770	96					770	96
Herring	72,814	729					72,814	729
"Lingcod"	370	11					370	11
Rockfishes	15,824	654					15,824	654
Sablefish	50	3					50	3
Salmon—								
Blueback or sockeye	22,473	2,940			3,476	418	25,949	3,358
Chinook	31,520	2,365			307,522	36,902	339,042	39,267
Chum	9,029	216			1,000	10	10,029	226
Humpback	2,760	121					2,760	121
Silver	105,840	6,350			8,139	325	113,979	6,675
Shad					75,941	760	75,941	760
Skates	27	1					27	1
Smelt, silver	251,308	25,133					251,308	25,133
"Sole"	94,115	2,824					94,115	2,824
Steelhead trout	90	7			86,808	4,754	86,898	4,761
Sturgeon					366	26	366	26
Surf fishes	31,767	1,587					31,767	1,587
Tomcod	224	2					224	2
Octopus	2,609	79					2,609	79
Total	718,512	44,669			862,510	54,571	1,581,022	99,240
Drift gill nets:								
Salmon—								
Blueback or sockeye	47,051	5,914			42,472	5,097	89,523	11,011
Chinook	637,027	52,710	339,939	$21,660	2,953,923	352,169	3,930,889	426,539
Chum	622,600	14,229	603,986	8,629	320,625	3,208	1,547,211	26,066
Humpback	12,830	565					12,830	565
Silver	736,557	46,053	412,926	22,935	201,275	8,051	1,350,758	77,039
Shad	36	1	91	1	77,241	774	77,368	776
Smelt, silver	6,485	649					6,485	649
Steelhead trout	361	22	9,935	1,159	276,730	15,563	287,026	16,744
Sturgeon	257	20	8,339	627	45,350	3,179	53,946	3,826
Surf fishes	600	30					600	30
Octopus	400	12					400	12
Total	2,064,204	120,205	1,375,216	55,011	3,917,616	388,041	7,357,036	563,257
Set gill nets:								
Rockfishes	120	4					120	4
Salmon—								
Blueback or sockeye			119,735	14,368	13,735	1,648	133,470	16,016
Chinook	520	39	52,675	2,046	52,089	6,285	105,284	8,370
Chum	32,077	764	540,185	7,575	4,060	45	576,322	8,384
Silver	2,656	159	304,347	13,502	3,510	141	310,513	13,802
Shad					1,038	12	1,038	12
Steelhead trout			22,437	2,424	12,853	697	35,290	3,121
Sturgeon					2,621	184	2,621	184
Surf fishes	1,163	58					1,163	58
Total	36,536	1,024	1,039,379	39,915	89,906	9,012	1,165,821	49,951
Pound nets:								
Flounders	2,696	54					2,696	54
Halibut	169	21					169	21
"Lingcod"	535	16					535	16
Rockfishes	5,595	205					5,595	205
Salmon—								
Blueback or sockeye	3,968,542	518,963	110,265	13,232	84,269	10,113	4,163,076	542,308
Chinook	4,182,840	312,466	187,440	7,332	2,141,219	256,034	6,511,499	575,832
Chum	884,452	21,056	1,546,959	22,584	297,567	2,975	2,728,978	46,615
Humpback	419,365	19,451					419,365	19,451
Silver	3,792,856	227,573	600,630	29,117	1,114,670	44,585	5,508,156	301,275
Shad					37,372	374	37,372	374
Skates	9,087	91					9,087	91
"Sole"	200	6					200	6
Steelhead trout	79,128	6,330	1,784	167	628,597	33,433	709,509	39,930
Sturgeon	810	57			16,335	1,133	17,145	1,190
Surf fishes	135	7					135	7
Octopus	220	7					220	7
Total	13,346,630	1,106,303	2,447,078	72,432	4,320,029	348,647	20,113,737	1,527,382
Lines:								
Flounders	10	1					10	1
Grayfish	97,005	247					97,005	247
Halibut	7,970	991					7,970	991
"Lingcod"	5,558	170					5,558	170

Yield of the shore fisheries of Washington in 1924, by districts, apparatus, and species—Continued

Apparatus and species	Puget Sound		Washington coast		Columbia River		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Lines—Continued.								
Rockfishes	47,332	$1,516					47,332	$1,516
Salmon—								
Chinook	[1] 10,914,460	$818,635	[2] 1,137,240	$84,439	[3] 1,418,274	$107,138	13,469,974	1,010,212
Silver	[1] 5,297,408	319,752	[2] 471,204	28,226	[3] 600,600	35,329	6,369,212	383,307
Skates	1,000	10					1,000	10
"Sole"	399	12			228	7	627	19
Steelhead trout					2,366	133	2,366	133
Sturgeon					11,123	775	11,123	775
Surf fishes	7	1					7	1
Octopus	99,335	2,981					99,335	2,981
Total	16,470,484	1,144,316	1,608,444	112,665	2,032,591	143,382	20,111,519	1,400,363
Drag bag nets:								
Flounders	240	4					240	4
Herring	30,200	302					30,200	302
Salmon—								
Chinook			320	13			320	13
Chum			2,530	36			2,530	36
Silver			1,818	100			1,818	100
Smelt, silver	12,021	1,202					12,021	1,202
Skates	65	1					65	1
"Sole"	100	3					100	3
Surf fishes	965	48	7,322	366			8,287	414
Octopus	1,580	47					1,580	47
Total	45,171	1,607	11,990	515			57,161	2,122
Beam trawls:								
Flounders	108,405	2,168					108,405	2,168
Herring	30	1					30	1
"Lingcod"	2,221	67					2,221	67
Rockfishes	8,829	353					8,829	353
Sablefish	477	29					477	29
Smelt, silver	2,820	282					2,820	282
"Sole"	167,202	5,015					167,202	5,015
Surf fishes	75	4					75	4
Tomcod	200	2					200	2
Octopus	390	11					390	11
Shrimp	28,465	4,270					28,465	4,270
Scallops	4,200	1,155					4,200	1,155
Total	323,314	13,357					323,314	13,357
Fish wheels:								
Salmon—								
Blueback or sockeye					4,983	598	4,983	598
Chinook					25,217	3,026	25,217	3,026
Shad					1,723	18	1,723	18
Steelhead trout					1,510	82	1,510	82
Sturgeon					239	16	239	16
Total					33,672	3,740	33,672	3,740
Dip nets:								
Herring	310	3					310	3
Smelt—								
Silver	183,362	18,333					183,362	18,333
Eulachon					[4] 983,353	9,835	983,353	9,835
Surf fishes	1,305	66					1,305	66
Total	184,977	18,402			983,353	9,835	1,168,330	28,237
Reef nets:								
Salmon—								
Blueback or sockeye	21,521	2,824					21,521	2,824
Chinook	346	26					346	26
Chum	9,629	229					9,629	229
Humpback	1,125	49					1,125	49
Silver	38,040	2,272					38,040	2,272
Total	70,661	5,400					70,661	5,400
Brush weir: Herring	37,600	376					37,600	376
Crab traps: Crabs	729,057	43,083	416,530	23,495			1,145,587	66,578

[1] Caught largely by trollers off Cape Flattery.
[2] Caught largely by trollers off Grays Harbor and Willapa Harbor, though a small portion of this catch may have been taken off the mouth of the Columbia River.
[3] All taken by trollers off the mouth of the Columbia River.
[4] Caught in tributaries of the Columbia River.

Yield of the shore fisheries of Washington in 1924, by districts, apparatus, and species—Continued

Apparatus and species	Puget Sound		Washington coast		Columbia River		Total	
Hoes, shovels, and forks:								
Clams—	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Hard	203,412	$26,479					203,412	$26,479
Razor			524,205	$72,842			524,205	72,842
Total	203,412	26,479	524,205	72,842			727,617	99,321
Tongs:								
Oysters, market—								
Native	625,164	329,487	25,536	12,960			650,700	342,447
Eastern			36,022	23,362			36,022	23,362
Japanese	15,680	9,997					15,680	9,997
Total	640,844	339,484	61,558	36,322			702,402	375,806

OREGON

The fisheries of Oregon employed 4,360 persons, 6 vessels, 2,178 motor boats, and 283 rowboats in 1924. The products of the fisheries amounted to 39,577,838 pounds, valued at $3,203,617, ranking third in importance among the Pacific Coast States in 1924.

The various species of salmon were by far the most important of Oregon's commercial fishes, yielding 33,319,392 pounds, valued at $2,846,165. Steelhead trout contributed 3,604,558 pounds, valued at $197,053; and seven varieties of much less importance made up the remainder, aggregating 2,148,907 pounds, valued at $115,811. The yield of the various kinds of shellfish, including crabs, crawfish, clams, oysters, and octopus, amounted to 504,981 pounds, valued at $44,588.

Vessel fisheries.—In the vessel fishery of Oregon only 6 vessels, having a net tonnage of 68 and carrying 25 fishermen, were actually engaged in fishing. The catch was made up entirely of halibut, "lingcod," rockfishes, and sablefish, amounting to 763,178 pounds, valued at $92,161. The fares of these vessels were landed at Portland and Astoria, Oreg.

Shore and boat fisheries.—The shore and boat fisheries of Oregon greatly exceeded the vessel fishery in importance, employing 4,335 fishermen, 2,178 motor boats under 5 tons net, and 283 rowboats, and yielded products amounting to 38,814,660 pounds, valued at $3,111,456.

Men and boats engaged in the shore fisheries of Oregon in 1924, by apparatus and districts

Apparatus	Columbia River			Oregon coast			Total		
	Men	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*
Gill nets, drift	1,672	1,061		955	601		2,627	1,662	
Gill nets, set	125	96	29	549	292	196	674	388	225
Haul seines	448	35	23	154	15	15	602	50	38
Pound nets	138	69					138	69	
Lines	361	199		70	40		431	239	
Dip nets	128		12				128		12
Wheels	48						48		
Crab traps				106	106		106	106	
Crawfish traps	43	27	16				43	27	16
Clam shovels and forks				74			74		
Oyster tongs				2	1	2	2	1	2
Total [1]	2,743	1,337	77	1,592	841	206	4,335	2,178	283

[1] Exclusive of duplication.

Yield of the fisheries of Oregon in 1924, by districts and species [1]

Species	Columbia River		Oregon coast		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Halibut	510,977	$81,373			510,977	$81,373
"Lingcod"	51,630	1,549			51,630	1,549
Rockfishes	39,223	1,172			39,223	1,172
Sablefish	161,348	8,067			161,348	8,067
Salmon:						
Blueback or sockeye	434,038	52,085	2,302	$271	436,340	52,356
Chinook	15,742,530	1,889,103	3,863,231	463,566	19,605,761	2,352,669
Chum	2,067,158	20,672	931,298	9,314	2,998,456	29,986
Silver	3,636,996	145,480	6,641,839	265,674	10,278,835	411,154
Shad	533,732	5,337	449,690	5,224	983,422	10,561
Smelt, eulachon	226,800	2,268			226,800	2,268
Steelhead trout	2,981,677	163,993	622,881	33,060	3,604,558	197,053
Sturgeon	158,081	10,224	17,426	597	175,507	10,821
Total	26,544,190	2,381,323	12,528,667	777,706	39,072,857	3,159,029
SHELLFISH						
Crabs			433,411	31,474	433,411	31,474
Crawfish	12,200	966			12,200	966
Clams:						
Hard			800	180	800	180
Razor			32,879	5,032	32,879	5,032
Soft			14,621	2,631	14,621	2,631
Oysters, native, market			11,070	4,305	11,070	4,305
Total	12,200	966	492,781	43,622	504,981	44,588
Grand total	26,556,390	2,382,289	13,021,448	821,328	39,577,838	3,203,617

[1] All taken by shore fisheries except the halibut, "lingcod," rockfishes, and sablefish, totaling 763,178 pounds and valued at $92,161, which were taken by 6 vessels operating trawl lines and landing their fares at Portland and Astoria, Oreg. These vessels had a total net tonnage of 68 and carried 25 fishermen.

CALIFORNIA

In 1924 California was the leading fish-producing State on the Pacific coast. There were 4,809 persons, 337 vessels, 1,513 motor boats, and 132 rowboats engaged in fishing. The production amounted to 344,895,272 pounds of fishery products, valued at $9,725,140 to the fishermen. Of this production, 328,480,450 pounds, valued at $8,240,945, were fish; 11,715,234 pounds, valued at $1,225,562, were shellfish; and the remaining 4,699,588 pounds, valued at $258,633, were whale products. Of the total production, 329,565,939 pounds, valued at $8,633,484, were from waters off California; 12,445,305 pounds, valued at $901,615, were from waters off Mexico; and 2,884,028 pounds, valued at $190,041, were from waters off Alaska.

Species of fish used largely for canning are the most important taken by California fishermen. Leading all others in amount and value was the pilchard or sardine, producing 242,685,958 pounds, valued at $2,079,727. Albacore was next, with a production of 17,695,362 pounds, valued at $1,828,812. Third was salmon, with a production of 10,015,269 pounds, valued at $1,025,838. Fourth in value were the bluefin and yellowfin tunas, with a production of 6,851,046 pounds, valued at $584,272. Other species used largely for canning are the skipjack, with a production of 3,780,971 pounds, valued at $179,210, and bonito, with a production of 1,038,369 pounds, valued at $29,130.

Of first importance among the market fishes is the flounder group, with a production of 13,493,082 pounds, valued at $715,858. Of this amount, 2,576,261 pounds, valued at $348,759, were reported as

"California halibut," and 8,835,351 pounds, valued at $307,809, were reported as "sole." Next was yellowtail, with 4,714,149 pounds, valued at $375,156; barracuda followed, with 7,128,523 pounds, valued at $257,022; rockfishes, with 4,716,790 pounds, valued at $211,344; and white sea bass, with 1,515,584 pounds, valued at $185,086. More than 30 additional varieties of fresh market fishes made up 11,961,319 pounds, valued at $579,449.

The production of shellfish amounted to 11,715,234 pounds, valued at $1,225,562. Squid was most important, yielding 6,831,029 pounds, valued at $409,350. Next in value was abalone, with a yield of 449,362 pounds, valued at $249,646. Sea crawfish or spiny lobster followed with a production of 1,027,312 pounds, valued at $199,650. Shrimp yielded 1,551,086 pounds, valued at $155,109, and crabs, 1,506,816 pounds, valued at $126,616. The remainder of the shellfish catch amounted to 349,629 pounds, valued at $85,191, and consisted of oysters, clams, mussels, octopus, terrapin, and turtles.

In addition to the fish and shellfish products, there were 4,699,588 pounds of whale products, valued at $258,633, made up of 2,932,088 pounds of whale oil, valued at $216,350, and 1,767,500 pounds of other products, valued at $42,283.

Vessels engaged in the fisheries of California in 1924, by apparatus and district

Apparatus	Northern district			San Francisco district			Monterey district		
	Number	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*
Lines	2	11	2	8	1,719	149	3	18	6
Lampara and bait nets							1	11	9
Purse seines									
Trammel nets							1	5	6
Paranzella nets	2	14	7	12	178	90			
Gill nets				2	15	4			
Bag nets				1	6	2			
Lobster traps									
Crab traps	1	6	1						
Abalone outfits							1	5	6
Whaling apparatus				4	147	44			
Dip nets									
Total [1]	4	25	9	26	2,059	287	5	34	21

Apparatus	Los Angeles district			San Diego district			Total		
	Number	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*
Lines	141	1,301	760	69	689	256	223	3,738	1,173
Lampara and bait nets	126	1,187	819	71	716	318	198	1,914	1,146
Purse seines	32	763	268	6	159	42	38	922	310
Trammel nets	7	54	23				8	59	29
Paranzella nets	3	17	16				17	209	113
Gill nets	16	156	73	11	77	37	29	248	114
Bag nets							1	6	2
Lobster traps				4	37	11	4	37	11
Crab traps							1	6	1
Abalone outfits							1	5	6
Whaling apparatus							4	147	44
Dip nets	2	18	4				2	18	4
Total [1]	199	2,601	1,185	103	1,102	431	337	5,821	1,933

[1] Exclusive of duplication.

NOTE.—All of the above were motor vessels, excepting 11 vessels sailing from the San Francisco district, as follows: 4 steamers in the whale fishery, 2 steamers in the paranzella fishery, and 5 schooners in the line fishery.

Men and boats engaged in the shore fisheries of California in 1924, by apparatus and districts

Apparatus	Northern district			San Francisco district			Monterey district		
	Men	*Gas boats*	*Row-boats*	*Men*	*Gas boats*	*Row-boats*	*Men*	*Gas boats*	*Row-boats*
ines	138	123	2	287	237	6	233	139	1
ill nets	175	2	106	430	232	6	3	2	
ampara and bait nets	3	3	1	38	10	1	324	40	
aul seines	1	1		18	6				
ag nets				21	10	1			
yke nets				27	15	8			
ip nets	2		2	2	2				
rab traps	23	22		163	157		2	1	
obster traps				1	1				
balone outfits							19	4	
am shovels	5			15					
yster tongs				2	1				
Total [1]	319	123	107	787	486	19	485	172	1

Apparatus	Los Angeles district			San Diego district			Total		
	Men	*Gas boats*	*Row-boats*	*Men*	*Gas boats*	*Row-boats*	*Men*	*Gas boats*	*Row-boats*
ines	612	412	1	233	126		1,493	1,027	10
ill nets	129	45	4	40	16		777	297	116
ampara and bait nets	187	51		74	25		626	129	2
aul seines	14	5					33	12	
ag nets							21	10	1
yke nets	2	2					29	17	8
ip nets	1	1					5	3	2
rab traps							188	180	
obster traps	41	24		24	17		66	42	
balone outfits				4	1		23	5	
am shovels	55						75		
yster tongs							2	1	
Total [1]	943	549	5	342	183		2,876	1,513	132

[1] Exclusive of duplication.

Summary of the yield of the California fisheries in 1924, by species

Species	From waters off California		From waters off Mexico		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
lbacore	17,280,346	$1,790,373	415,016	$38,439	17,695,362	$1,828,812
nchovies	346,951	1,984			346,951	1,984
arracuda	4,733,779	186,599	2,394,744	70,423	7,128,523	257,022
onito	836,182	25,087	202,187	4,043	1,038,369	29,130
arp	75,965	1,554			75,965	1,554
atfish	351,960	51,977			351,960	51,977
od, dry salted	2,884,028	190,041			2,884,028	190,041
els	56	3			56	3
lounders	2,081,196	59,285	274	5	2,081,470	59,290
rayfish	392,634	11,982			392,634	11,982
ake	60,780	1,519			60,780	1,519
alibut	132,637	15,916			132,637	15,916
alibut, "California"	1,527,778	211,519	1,048,483	137,240	2,576,261	348,759
ardhead	19,023	761			19,023	761
erring	435,620	8,602			435,620	8,602
ingfish	383,927	8,884	390	8	384,317	8,892
Lingcod"	400,432	24,026			400,432	24,026
lackerel	3,227,300	86,523	13,234	311	3,240,534	86,834
lullet	24,496	469	37,475	1,874	61,971	3,343
ike, Sacramento	4,953	220			4,953	220
ilchard or sardine	242,685,958	2,079,727			242,685,958	2,079,727
ompano	13,059	5,866	4,520	1,989	17,579	7,855
ockbass	380,620	32,676	85,588	6,200	466,208	38,876
ockfishes	4,684,065	210,154	32,725	1,190	4,716,790	211,344
nblefish	933,310	34,540			933,310	34,540
almon	10,015,269	1,025,838			10,015,269	1,025,838
culpin	109,070	10,213			109,070	10,213
ea bass:						
Black	88,677	1,962	142,727	2,201	231,404	4,163
White, or squeteague	964,755	121,125	550,829	63,961	1,515,584	185,086

Summary of the yield of the California fisheries in 1924, by species—Continued

Species	From waters off California		From waters off Mexico		Total	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Shad	1,559,217	$74,553			1,539,217	$74,553
Sheepshead	23,427	480	840	$13	24,267	493
Skates	131,137	1,967			131,137	1,967
Skipjack or striped tuna	1,356,426	74,083	2,424,545	105,127	3,780,971	179,210
Smelt, silver	715,280	40,533	6,632	118	721,912	40,651
"Sole"	8,828,380	307,598	6,971	211	8,835,351	307,809
Splittail	3,671	73			3,671	73
Steelhead trout	87,088	7,402			87,088	7,402
Striped bass	661,777	87,493			661,777	87,493
Suckers	2,085	48			2,085	48
Surf fishes	288,969	13,767			288,969	13,767
Swordfish	31,833	3,610			31,833	3,610
Tomcod	42,524	978			42,524	978
Tuna:						
Bluefin	3,241,110	291,306			3,241,110	291,306
Yellowfin	680,759	59,833	2,382,639	184,556	3,063,398	244,389
Mixed	485,401	43,686	61,137	4,891	546,538	48,577
Whitebait	122,483	2,449			122,483	2,449
Whitefish	250,663	13,480	22,414	911	273,077	14,391
Yellowtail	2,863,012	238,446	1,851,137	136,710	4,714,149	375,156
Other fish	339,033	16,951	26,842	1,363	365,875	18,314
Total	316,769,101	7,479,161	11,711,349	761,784	328,480,450	8,240,945
SHELLFISH						
Crabs	1,506,816	126,616			1,506,816	126,616
Shrimp	1,551,086	155,109			1,551,086	155,109
Sea crawfish or spiny lobster	294,356	60,375	732,956	139,275	1,027,312	199,650
Oysters, eastern, market	52,678	22,576			52,678	22,576
Clams:						
Cockle	845	571			845	571
Mixed	7,407	3,333			7,407	3,333
Pismo	73,287	35,178			73,287	35,178
Soft	40,554	15,816			40,554	15,816
Mussels	8,204	1,119			8,204	1,119
Abalone	448,362	249,090	1,000	556	449,362	249,646
Octopus	166,291	6,570			166,291	6,570
Squid	6,831,029	409,350			6,831,029	409,350
Terrapin	312	25			312	25
Turtles	51	3			51	3
Total	10,981,278	1,085,731	733,956	139,831	11,715,234	1,225,562
WHALE PRODUCTS						
Whale oil	2,932,088	216,350			2,932,088	216,350
Other whale products	1,767,500	42,283			1,767,500	42,283
Total	4,699,588	258,633			4,699,588	258,633
Grand total	332,449,967	8,823,525	12,445,305	901,615	344,895,272	9,725,140

Yield of the fisheries off the California coast in 1924, by districts and species

Species	Northern district		San Francisco district		Monterey district	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore					420	$27
Anchovies			10,718	$107	297,000	1,485
Barracuda			487	18	138	6
Bonito					166	7
Carp	4,368	$122	71,597	1,432		
Catfish	62,096	9,004	289,864	42,973		
Cod, dry salted			[1] 2,884,028	190,041		
Flounders	25,690	646	1,969,132	56,094	77,011	2,177
Grayfish			93,606	2,995	7,724	247
Hake			58,405	1,460	2,375	59
Halibut	126,400	15,168	6,237	748		
Halibut, "California"					10,569	1,268
Hardhead			19,023	761		
Herring	2,593	52	420,226	8,405	1,430	29
Kingfish			2,513	80	78,410	2,744
"Lingcod"	29,803	1,788	233,866	14,032	136,763	8,206

[1] Taken in Bering Sea.

Yield of the fisheries off the California coast in 1924, by districts and species—Con.

Species	Northern district		San Francisco district		Monterey district	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Mackerel			22	$1	715,770	$21,473
Pike, Sacramento			4,953	229		
Pilchard or sardine	125	$2	1,090,727	16,361	117,528,884	822,702
Pompano					72	22
Rockfishes	20,477	1,125	551,448	27,559	1,000,622	33,286
Sablefish	21,100	844	353,446	14,138	558,657	19,553
Salmon	2,880,928	187,260	6,257,155	750,859	877,186	87,719
Sea bass, white, or squetague	1,117	145	34,507	4,486	43,263	2,763
Shad			1,538,735	74,524	482	29
Skates			121,627	1,824	2,075	31
Skipjack or striped tuna					6,913	346
Smelt, silver	36,052	2,163	156,355	9,381	168,028	15,122
"Sole"	141,226	4,943	8,279,043	289,767	265,598	7,968
Splittail			3,671	73		
Steelhead trout	87,088	7,402				
Striped bass	33	4	660,401	87,314	1,343	175
Suckers	1,788	41	297	7		
Surf fishes	43,775	1,642	117,200	4,395	25,377	1,015
Tomcod			34,037	783	8,487	195
Whitebait	56,257	1,125	65,811	1,316	415	8
Other fish	39,584	1,979	62,569	3,128	62,118	3,106
Total	3,580,500	235,455	25,391,706	1,605,282	121,877,296	1,031,768
SHELLFISH						
Crabs	170,976	14,248	1,285,536	107,128	50,304	5,240
Shrimp			1,551,086	155,109		
Oysters, eastern			52,678	22,576		
Clams:						
Cockle	123	83	577	390		
Mixed	2,227	1,002	5,036	2,266	23	10
Pismo					9	4
Soft	429	167	40,125	15,649		
Mussels			1,230	185	1,424	171
Abalone					446,733	248,185
Octopus	31	1	7,800	234	158,311	6,332
Squid					6,779,857	406,791
Terrapin			312	25		
Total	173,786	15,501	2,944,380	303,562	7,436,661	666,733
WHALE PRODUCTS						
Whale oil			2,932,088	216,350		
Other whale products			1,767,500	42,283		
Total			4,699,588	258,633		
Grand total	3,754,286	250,956	33,035,674	2,167,477	129,313,957	1,698,501

Species	Los Angeles district		San Diego district		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore	12,470,635	$1,309,417	4,809,291	$480,929	17,280,346	$1,790,373
Anchovies	39,233	392			346,951	1,984
Barracuda	3,692,837	147,563	1,040,317	39,012	4,733,779	186,599
Bonito	724,881	21,746	111,135	3,334	836,182	25,087
Carp					75,965	1,554
Catfish					351,960	51,977
Cod, dry salted					2,884,028	190,041
Eels			56	3	56	3
Flounders	9,313	367	50	1	2,081,196	59,285
Crayfish	705	22	290,599	8,718	392,634	11,982
Lake					60,780	1,519
Halibut					132,637	15,916
Halibut, "California"	1,264,357	174,852	252,852	35,399	1,527,778	211,519
Hardhead					19,023	761
Herring	202	4	11,169	112	435,620	8,602
Kingfish	294,550	5,891	8,454	169	383,927	8,884
Lingcod"					400,432	24,026
Mackerel	2,180,115	56,764	331,393	8,285	3,227,300	86,523
Mullet	240	14	24,256	1,455	24,496	1,469
Pike, Sacramento					4,953	220
Pilchard or sardine	116,957,409	1,169,574	7,108,813	71,088	242,685,958	2,079,727
Pompano	12,650	5,692	337	152	13,059	5,866

Yield of the fisheries off the California coast in 1924, by districts and species—Con.

Species	Los Angeles district		San Diego district		Total	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Rockbass	222,653	$20,039	157,967	$12,637	380,620	$32,676
Rockfishes	1,677,145	83,637	1,434,373	64,547	4,684,065	210,154
Sablefish	107	5			933,310	34,540
Salmon					10,015,269	1,025,838
Sculpin	79,334	7,537	29,736	2,676	109,070	10,213
Sea bass:						
Black	37,582	940	51,095	1,022	88,677	1,962
White, or squeteague	743,418	96,054	142,450	17,677	964,755	121,125
Shad					1,539,217	74,553
Sheepshead	12,412	260	11,015	220	23,427	480
Skates	7,435	112			131,137	1,967
Skipjack or striped tuna	1,252,318	68,877	97,195	4,860	1,356,426	74,083
Smelt, silver	335,373	13,283	19,472	584	715,280	40,533
"Sole"	129,366	4,394	13,147	526	8,828,380	307,598
Splittail					3,671	73
Steelhead trout					87,088	7,402
Striped bass					661,777	87,493
Suckers					2,085	48
Surf fishes	90,473	5,865	12,144	850	288,969	13,767
Swordfish	17,808	2,137	14,025	1,473	31,833	3,610
Tomcod					42,524	978
Tuna:						
Bluefin	3,201,703	288,153	39,407	3,153	3,241,110	291,306
Yellowfin	537,221	48,350	143,538	11,483	680,759	59,833
Mixed	485,401	43,686			485,401	43,686
Whitebait					122,483	2,449
Whitefish	189,346	10,414	61,317	3,066	250,663	13,480
Yellowtail	1,226,362	104,241	1,636,650	134,205	2,863,012	238,446
Other fish	154,554	7,728	20,208	1,010	339,033	16,951
Total	148,047,138	3,698,010	17,872,461	908,646	316,769,101	7,479,161
SHELLFISH						
Crabs					1,506,816	126,616
Shrimp					1,551,086	155,109
Sea crawfish or spiny lobster	187,941	39,092	106,415	21,283	294,356	60,375
Oysters, eastern					52,678	22,576
Clams:						
Cockle	145	98			845	571
Mixed	111	50	10	5	7,407	3,333
Pismo	73,278	35,174			73,287	35,178
Soft					40,554	15,816
Mussels	5,550	763			8,204	1,119
Abalone	1,629	905			448,362	249,090
Octopus	124	2	25	1	166,291	6,570
Squid	51,172	2,559			6,831,029	409,350
Terrapin					312	25
Turtles	51	3			51	3
Total	320,001	78,646	106,450	21,289	10,981,278	1,085,731
WHALE PRODUCTS						
Whale oil					2,932,088	216,350
Other whale products					1,767,500	42,283
Total					4,699,588	258,633
Grand total	148,367,139	3,776,656	17,978,911	929,935	332,449,967	8,823,525

Yield of the fisheries prosecuted by California fishermen in waters off the coast of Mexico, 1924

Species	Landed at San Pedro		Landed at San Diego		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore	217, 537	$20, 666	197, 479	$17, 773	415, 016	$38, 439
Barracuda	1, 899, 139	56, 794	495, 605	13, 629	2, 394, 744	70, 423
Bonito	133, 671	2, 673	68, 516	1, 370	202, 187	4, 043
Flounders			274	5	274	5
Halibut, "California"	187, 440	25, 304	861, 043	111, 936	1, 048, 483	137, 240
Kingfish	215	4	175	4	390	8
Mackerel	5, 074	127	8, 160	184	13, 234	311
Mullet	3, 590	180	33, 885	1, 694	37, 475	1, 874
Pompano	770	339	3, 750	1, 650	4, 520	1, 989
Rock bass	20, 862	1, 669	64, 726	4, 531	85, 588	6, 200
Rockfishes	8, 892	356	23, 833	834	32, 725	1, 190
Sea bass:						
Black	12, 221	244	130, 506	1, 957	142, 727	2, 201
White, or squeteague	123, 245	14, 789	427, 584	49, 172	550, 829	63, 961
Sheepshead			840	13	840	13
Skipjack or striped tuna	1, 628, 932	73, 302	795, 613	31, 825	2, 424, 545	105, 127
Smelt, silver	2, 818	42	3, 814	76	6, 632	118
"Sole"	1, 910	59	5, 061	152	6, 971	211
Tuna:						
Yellowfin	1, 777, 167	142, 173	605, 472	42, 383	2, 382, 639	184, 556
Mixed	61, 137	4, 891			61, 137	4, 891
Whitefish	2, 882	130	19, 532	781	22, 414	911
Yellowtail	1, 142, 992	85, 724	708, 145	50, 986	1, 851, 137	136, 710
Other fish	14, 276	708	12, 566	655	26, 842	1, 363
Total	7, 244, 770	430, 174	4, 466, 579	331, 610	11, 711, 349	761, 784
SHELLFISH						
Sea crawfish or spiny lobster	1, 381	276	731, 575	138, 999	732, 956	139, 275
Abalone	1, 000	556			1, 000	556
Total	2, 381	832	731, 575	138, 999	733, 956	139, 831
Grand total	7, 247, 151	431, 006	5, 198, 154	470, 609	12, 445, 305	901, 615

FISHERIES OF THE PACIFIC COAST STATES, 1925 [5]

In 1925 there were 16,856 persons, 673 vessels, 5,424 motor boats, and 1,019 rowboats engaged in the commercial fisheries of these States, producing 610,993,424 pounds of fish, shellfish, and whale products, with a first value of $24,580,524. This is the largest production on record.

The salmon fishery (by far the most important) yielded 139,848,020 pounds, valued at $10,149,961. Next in importance was the tuna fishery, which produced 54,776,970 pounds of albacore, tuna, skipjack, and bonito, valued at $4,558,183. Of third importance was the halibut fishery, centered at Seattle but operating along the coast from California northward; the total catch credited to the Pacific Coast States was 19,256,185 pounds, valued at $2,177,125; in addition to this, vessels of the Pacific Coast States landed 2,680,687 pounds, valued at $187,698, in Alaska. The sardine fishery ranked fourth, with 315,294,986 pounds, valued at $2,087,756.

[5] For an explanation of the sources of the statistics given herewith, see footnote 4, p. 419.

Fisheries of the Pacific Coast States, 1925

Items	Washington		Oregon		California		Total	
Vessel fishery:	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
Fishermen	2,338		36		2,044		4,418	
Vessels	303		8		362		673	
Tonnage	7,931		80		5,350		13,361	
Shore fishery:								
Fishermen	5,055		4,909		2,474		12,438	
Power boats	1,945		2,224		1,255		5,424	
Row boats	330		539		150		1,019	
PRODUCTS	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore					22,206,923	$2,333,600	22,206,923	$2,333,600
Anchovies					123,919	1,232	123,919	1,232
Barracuda					8,005,601	340,341	8,005,601	340,341
Bonito					866,530	25,983	866,530	25,983
Carp	286,137	$8,584	62,700	$1,881	94,935	1,928	443,772	12,393
Catfish					366,279	54,942	366,279	54,942
Cod:								
Fresh	1,027	58					1,027	58
Dry salted	4,125,538	183,456			3,415,608	237,724	7,541,146	421,180
Flounders	260,665	6,678			2,551,193	71,469	2,811,858	78,147
Grayfish	41,549	86			372,332	3,723	413,881	3,809
Hake					22,017	441	22,017	441
Halibut	18,516,341	2,079,833	577,742	75,713	162,102	21,579	19,256,185	2,177,125
Halibut, "California"					2,451,759	334,136	2,451,759	334,136
Hardhead					24,028	961	24,028	961
Herring	669,843	4,495			865,774	17,315	1,535,617	21,810
Kingfish					536,654	12,868	536,654	12,868
"Lingcod"	695,494	21,413	58,592	1,617	683,130	40,975	1,437,216	64,005
Mackerel					3,522,419	97,754	3,522,419	97,754
Mullet					36,807	2,619	36,807	2,619
Pilchard or sardine					315,294,986	2,087,756	315,294,986	2,087,756
Pompano					10,536	4,808	10,536	4,808
Rock bass					330,285	28,543	330,285	28,543
Rockfishes	442,500	17,321	31,296	858	5,453,510	266,069	5,927,306	284,248
Sablefish	2,442,400	167,123	347,592	17,271	722,472	26,118	3,512,464	210,512
Salmon	95,964,331	6,170,768	34,357,936	3,059,473	9,525,753	919,720	139,848,020	10,149,961
Sculpin					226,456	22,419	226,456	22,419
Sea bass:								
Black					189,072	3,602	189,072	3,602
White or squeteague					1,920,295	252,144	1,920,295	252,144
Shad	254,610	5,086	1,016,776	31,381	2,439,726	105,118	3,711,112	141,585
Sheepshead					48,811	1,058	48,811	1,058
Skates	1,287	26			183,484	3,625	184,771	3,651
Skipjack or striped tuna					14,235,089	751,609	14,235,089	751,609
Smelt:								
Silver	225,664	20,317			751,669	40,953	977,333	61,270
Eulachon	1,249,264	18,841	308,676	4,352			1,557,940	23,193
"Sole"	231,191	10,229	2,243	112	8,762,535	331,391	8,995,969	341,732
Steelhead trout	1,718,786	113,399	2,307,062	169,410	222	31	4,026,070	282,840
Striped bass			6,000	600	837,773	116,028	843,773	116,628
Sturgeon	119,799	7,799	161,330	10,177			281,129	17,976
Surf fishes	80,456	5,755			268,473	13,126	348,929	18,881
Swordfish					27,045	3,851	27,045	3,851
Tomcod					14,508	363	14,508	363
Tuna:								
Bluefin					3,803,677	342,140	3,803,677	342,140
Yellowfin					13,237,898	1,066,421	13,237,898	1,066,421
Mixed					426,853	38,430	426,853	38,430
Whitebait					70,968	3,903	70,968	3,903
Whitefish					222,112	12,034	222,112	12,034
Yellowtail					3,179,891	272,717	3,179,891	272,717
Other fish					252,852	11,495	252,852	11,495
Total	127,326,882	8,841,267	39,237,945	3,372,845	428,744,961	10,325,062	595,309,788	22,539,174
SHELLFISH								
Crabs	952,345	65,080	522,201	35,402	3,234,312	269,526	4,708,858	370,008
Crawfish			128,250	12,255			128,250	12,255
Sea crawfish or spiny lobster					1,486,406	289,785	1,486,406	289,785
Shrimp	35,761	5,363			1,460,234	146,023	1,495,995	151,386
Clams:								
Cockle					399	299	399	299
Hard	221,585	36,299					221,585	36,299
Mixed					9,276	6,182	9,276	6,182
Pismo					80,811	40,406	80,811	40,406
Razor	892,887	123,992	89,132	13,845			982,019	137,837
Soft			20,128	3,719	44,009	27,856	64,137	31,575
Mussels					4,324	631	4,324	631

Fisheries of the Pacific Coast States, 1925—Continued

Items	Washington		Oregon		California		Total	
SHELLFISH—contd.								
Oysters:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Eastern, market	10,332	$9,608			56,900	$24,386	67,232	$33,994
Native, market	663,348	350,042	9,693	$4,300	25	8	673,066	354,350
Japanese, market	28,000	16,000					28,000	16,000
Scallops	6,000	1,650					6,000	1,650
Abalone					470,732	261,507	470,732	261,507
Octopus	105,570	6,423			133,449	12,027	239,019	18,450
Squid					1,891,220	119,167	1,891,220	119,167
Trepang or sea cucumber	4,100	185					4,100	185
Turtles					21	1	21	1
Total	2,919,928	614,642	769,404	69,521	8,872,118	1,197,804	12,561,450	1,881,967
WHALE PRODUCTS								
Sperm oil	86,625	4,620			48,870	2,281	135,495	6,901
Whale oil	142,125	11,370			1,525,733	111,887	1,667,858	123,257
Other whale products	210,000	4,550			1,108,833	24,675	1,318,833	29,225
Total	438,750	20,540			2,683,436	138,843	3,122,186	159,383
Grand total	130,685,560	9,476,449	40,007,349	3,442,366	440,300,515	11,661,709	610,993,424	24,580,524

WASHINGTON

In 1925 the fisheries of Washington employed 7,393 fishermen, 303 fishing vessels, 1,945 motor boats, 330 rowboats, and yielded 130,685,560 pounds of fishery products, valued at $9,476,449.

The five species of salmon were the most important of Washington's commercial fishes, yielding 95,964,331 pounds, valued at $6,170,768. Chinook salmon ranked highest in value, yielding 23,756,404 pounds, valued at $2,291,041. Next was sockeye salmon, yielding 10,211,758 pounds, valued at $1,296,596. Third in value but first in amount was humpback salmon, yielding 35,308,770 pounds, valued at $1,290,550.

Second to the salmons, according to value, was the halibut. The total credited to this State was 18,516,341 pounds, valued at $2,079,833. Of this amount, 9,430,641 pounds, valued at $1,157,132, were landed at ports in Washington, and 9,085,700 pounds, valued at $922,701, were landed in Canada. In addition to this, vessels of Washington landed 2,680,687 pounds, valued at $187,698, in Alaska.

The cod was of third importance among the fishes. It is taken in Alaskan waters during the summer months, salted there, and landed at ports in Washington at the end of the season. In 1925, 4,125,538 pounds, valued at $183,456, were so landed, which is estimated to be the equivalent of 10,300,000 pounds of fresh cod. An additional 1,027 pounds of cod, valued at $58, were landed fresh. Sablefish was of fourth importance, with 2,442,400 pounds, valued at $167,123, and steelhead was fifth, with 1,718,786 pounds, valued at $113,399.

The production of all other fish in Washington in 1925 was 4,558,459 pounds, valued at $126,630, and consisted of carp, flounders, grayfish, herring, "lingcod," perch, rockfishes, shad, skates, smelts, sole, and sturgeon.

The production of shellfish amounted to 2,919,928 pounds, valued at $614,642. Oysters ranked first, according to value, with a yield (native, eastern, and Japanese oysters) of 701,680 pounds, valued at $375,650. Of next importance was the razor clam, used mainly in

canning, the yield of which amounted to 892,887 pounds, valued at $123,992. The catch of all other shellfish, including crabs, shrimp, hard clams, scallops, octopus, and sea cucumbers, amounted to 1,325,361 pounds, valued at $115,000.

The products of the whale fishery, which is prosecuted by vessels operating from shore stations, amounted to 438,750 pounds, valued at $20,540, and consisted of sperm oil, whale oil, and other whale products.

Yield of the fisheries of Washington in 1925, by districts and species

Species	Puget Sound		Washington coast		Columbia River		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
FISH								
Carp					286,137	$8,584	286,137	$8,584
Cod:								
Fresh	1,027	$58					1,027	58
Dry salted	4,125,538	183,456					4,125,538	183,456
Flounders	260,665	6,678					260,665	6,678
Grayfish	41,549	86					41,549	86
Halibut	18,516,341	2,079,833					18,516,341	2,079,833
Herring	663,893	4,435	5,950	$60			669,843	4,495
"Lingcod"	695,494	21,413					695,494	21,413
Rockfishes	442,500	17,321					442,500	17,321
Sablefish	2,442,400	167,123					2,442,400	167,123
Salmon:								
Blueback or sockeye	9,694,346	1,246,548	328,440	27,370	188,972	22,678	10,211,758	1,296,596
Chinook	12,831,100	1,115,097	1,399,969	82,430	9,525,335	1,093,514	23,756,404	2,291,041
Chum	6,064,550	189,096	4,333,464	52,957	1,094,488	19,266	11,492,502	261,319
Humpback	35,308,770	1,290,554					35,308,770	1,290,554
Silver	10,561,744	739,323	1,643,842	79,696	2,989,311	212,239	15,194,897	1,031,258
Shad					254,610	5,086	254,610	5,086
Skates	1,287	26					1,287	26
Smelt:								
Silver	225,664	20,317					225,664	20,317
Eulachon					1,249,264	18,841	1,249,264	18,841
"Sole"	231,191	10,229					231,191	10,229
Steelhead trout	77,346	7,735	56,058	4,425	1,585,382	101,239	1,718,786	113,399
Sturgeon	616	74	26,130	1,829	93,053	5,896	119,799	7,799
Surf fishes	79,748	5,707	708	48			80,456	5,755
Total	102,265,769	7,105,109	7,794,561	248,815	17,266,552	1,487,343	127,326,882	8,841,267
SHELLFISH								
Crabs	685,199	46,866	267,146	18,214			952,345	65,080
Shrimp	35,761	5,363					35,761	5,363
Clams:								
Hard	221,585	36,299					221,585	36,299
Razor			892,887	123,992			892,887	123,992
Oysters, market:								
Native	656,268	348,004	7,080	2,038			663,348	350,042
Eastern			10,332	9,608			10,332	9,608
Japanese	28,000	16,000					28,000	16,000
Scallops	6,000	1,650					6,000	1,650
Octopus	105,570	6,423					105,570	6,423
Trepang or sea cucumber	4,100	185					4,100	185
Total	1,742,483	460,790	1,177,445	153,852			2,919,928	614,642
WHALE PRODUCTS								
Sperm oil			86,625	4,620			86,625	4,620
Whale oil			142,125	11,370			142,125	11,370
Other whale products			210,000	4,550			210,000	4,550
Total			438,750	20,540			438,750	20,540
Grand total	104,008,252	7,565,899	9,410,756	423,207	17,266,552	1,487,343	130,685,560	9,476,449

Vessel fisheries.—In 1925 the fisheries of Washington employed 303 fishing crafts of 5 tons net or over, as measured by the United States Customs Service. This included 6 steamers, totaling 220 net tons; 291 motor vessels, totaling 5,873 net tons; and 6 sailing vessels, totaling 1,838 net tons, engaged in the fisheries of Washington, but does not include transporting vessels engaged principally

in carrying fish. The yield of the vessel fisheries was 62,081,687 pounds, valued at $4,119,254. This includes all products caught by Washington vessels, except 2,680,687 pounds of halibut, valued at $187,698; 155,263 pounds of sablefish, valued at $6,389; and 1,167 pounds of rockfishes, valued at $32, which were landed in Alaska.

Lines, catching all the halibut and cod and quantities of salmon, were, according to value of products, the most important form of apparatus, yielding 25,798,895 pounds, valued at $2,433,832. Purse seines follow in importance, yielding 34,907,693 pounds, valued at $1,620,043, consisting almost entirely of salmon.

The whale fishery, having its center of operations at Grays Harbor, yielded 438,750 pounds of products, valued at $20,540. Haul seines, drift gill nets, drag bag nets, beam trawls, and crab traps, which constitute the remainder of the vessel apparatus, yielded 936,349 pounds, valued at $44,839.

Vessels engaged in the fisheries of Washington in 1925, by apparatus and rig

Apparatus	Motor vessels			Sailing vessels			Steam vessels			Total		
	Number	Tonnage	Crew	Number	Tonnage	Crew	Number	Tonnage	Crew	Number	Tonnage	Crew
Lines (ocean)	140	2,904	988	6	1,838	221	------	------	------	146	4,742	1,209
Purse seines (Puget Sound)	152	3,091	1,177	------	------	------	------	------	------	152	3,091	1,177
Haul seines (Puget Sound)	14	156	42	------	------	------	------	------	------	14	156	42
Gill nets (Puget Sound)	4	26	8	------	------	------	------	------	------	4	26	8
Drag bag nets (Puget Sound)	7	111	21	------	------	------	------	------	------	7	111	21
Beam trawls (Puget Sound)	17	188	46	------	------	------	3	25	8	20	213	54
Crab traps (Puget Sound)	5	68	10	------	------	------	------	------	------	5	68	10
Whaling apparatus (ocean)	------	------	------	------	------	------	3	195	31	3	195	31
Total [1]	291	5,873	2,078	6	1,838	221	6	220	39	303	7,931	2,338

[1] Exclusive of duplication.

Yield of the vessel fisheries of Washington in 1925, by apparatus and species

Species	Purse seines (Puget Sound)		Haul seines (Puget Sound)		Lines [1] (ocean)		Drift gill nets (Puget Sound)	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod:								
Fresh	------	------	------	------	------	------	------	------
Dry salted	------	------	------	------	[2] 4,125,538	$183,456	------	------
Flounders	85	$3	1,522	$39	------	------	------	------
Halibut	------	------	------	------	18,178,882	2,046,007	------	------
Herring	------	------	114,765	768	------	------	------	------
"Lingcod"	------	------	------	------	681,650	20,772	------	------
Rockfishes	1,037	52	10,761	545	279,088	9,067	------	------
Sablefish	------	------	------	------	2,442,400	167,123	------	------
Salmon:								
Blueback or sockeye	3,006,871	386,605	46,613	5,993	------	------	6,440	$828
Chinook	203,236	18,476	41,492	4,161	[3] 48,415	4,855	638	65
Chum	5,130,760	159,054	9,350	560	------	------	18,630	1,117
Humpback	23,993,505	875,769	24,695	902	[3] 6,500	247	13,325	486
Silver	2,571,024	179,971	4,136	289	[3] 29,272	2,049	13,224	926
Smelt, silver	219	20	5,366	480	------	------	------	------
"Sole"	47	2	202	9	7,150	256	------	------
Steelhead trout	909	91	------	------	------	------	------	------
Surf fishes	------	------	11,032	786	------	------	------	------
Crabs	------	------	------	------	------	------	------	------
Shrimp	------	------	------	------	------	------	------	------
Scallops	------	------	------	------	------	------	------	------
Octopus	------	------	18	1	------	------	------	------
Whale oil	------	------	------	------	------	------	------	------
Sperm oil	------	------	------	------	------	------	------	------
Other whale products	------	------	------	------	------	------	------	------
Total	34,907,693	1,620,043	269,952	14,533	25,798,895	2,433,832	52,257	3,422

[1] The line fishery was prosecuted by vessels sailing from Puget Sound ports, and virtually all of the catch was taken in ocean waters. This includes 9,085,700 pounds of halibut, valued at $922,701, and 55,000 pounds of sablefish, valued at $2,360, taken by Washington vessels and landed in Canada. In addition to this, Washington vessels caught 2,680,687 pounds of halibut, valued at $187,698; 155,263 pounds of sablefish, valued at $6,389; and 1,167 pounds of rockfishes, valued at $32, which were landed in Alaska.

[2] Taken in waters off Alaska.

[3] Taken off Cape Flattery

Yield of the vessel fisheries of Washington in 1925, by apparatus and species—Con.

Species	Drag bag nets (Puget Sound)		Beam trawls (Puget Sound)		Crab trap (Puget Sound)		paratus (ocean)		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Cod:										
Fresh			1,027	$58					1,027	$58
Dry salted									4,125,538	183,456
Flounders			172,894	4,425					174,501	4,467
Halibut									18,178,882	2,046,007
Herring	111,693	$749							226,458	1,517
"Lingcod"			194	9					681,844	20,781
Rockfishes			20,493	1,042					311,379	10,706
Sablefish									2,442,400	167,123
Salmon:										
Blueback or sockeye									3,059,924	393,426
Chinook									293,781	27,557
Chum									5,158,740	160,731
Humpback									24,038,025	877,404
Silver									2,617,656	183,235
Smelt, silver	240	22							5,825	522
"Sole"	300	14	168,336	7,496					176,035	7,777
Steelhead trout									909	91
Surf fishes	3,010	215	197	14					14,239	1,015
Crabs					102,489	$7,133			102,489	7,133
Shrimp			26,886	4,032					26,886	4,032
Scallops			6,000	1,650					6,000	1,650
Octopus			381	25					399	26
Whale oil							142,125	$11,370	142,125	11,370
Sperm oil							86,625	4,620	86,625	4,620
Other whale products							210,000	4,550	210,000	4,550
Total	115,243	1,000	396,408	18,751	102,489	7,133	438,750	20,540	62,081,687	4,119,254

Shore and boat fisheries.—The statistics of the shore fisheries include the catch by all fishing craft of less than 5 tons net, as measured by the United States Customs Service, as well as all fish caught without the use of boats. In 1925 there were 5,055 persons, 1,945 motor boats, and 330 rowboats employed in the shore and boat fisheries of Washington, with a yield amounting to 68,603,873 pounds, valued at $5,357,195.

The catch by pound nets ranked of first importance, both as to amount and value, with a yield of 34,451,197 pounds, valued at $2,351,413, consisting almost entirely of salmon and steelhead trout. The catch by lines ranked second, with a yield of 15,403,607 pounds, valued at $1,283,725, consisting almost entirely of salmon, some halibut, and smaller quantities of other fish. Third in both amount and value were drift and set gill nets with a total catch amounting to 11,455,401 pounds, valued at $877,577, which consisted of salmon and steelhead trout, with much smaller quantities of shad, sturgeon, and other fishes.

Next were haul seines, with a yield of 1,580,499 pounds, valued at $117,997, of which salmon, carp, silver smelt, and steelhead trout made up the greater part. The yield of dip nets amounted to 1,287,291 pounds, valued at $21,648, consisting almost entirely of eulachons or smelts. The yield of fish wheels amounted to 873,347 pounds, valued at $82,477, and consisted of salmon, shad, steelhead trout, and sturgeon. Other apparatus, including drag bag nets, beam trawls, reef nets, and brush weirs, contributed 886,523 pounds, valued at $28,470.

Among the shellfish appliances, tongs were most productive, with a yield of 701,680 pounds of oysters, valued at $375,650. Shovels were next, with 1,114,472 pounds of clams, valued at $160,291. Crab traps took 849,856 pounds of crabs, valued at $57,947.

Men and boats engaged in the shore fisheries of Washington in 1925, by apparatus and districts

Apparatus	Puget Sound			Washington coast			Columbia River			Total		
	Men	Motor boats	Row-boats	Men	Motor boats	Row-boats	Men	Motor boats	Row-boats	Men	Motor boats	Row-boats
Haul seines	152	65	------	2	1	------	207	15	17	361	81	17
Gill nets:												
Drift	551	310	------	175	101	------	861	520	------	1,587	931	------
Set	8	4	4	168	45	121	63	44	19	239	93	144
Pound nets	322	118	------	109	65	------	131	131	------	562	314	------
Lines	842	466	------	93	56	------	138	102	6	1,073	624	6
Drag bag nets	90	45	------	3	1	------	------	------	------	93	46	------
Beam trawls	14	7	------	------	------	------	------	------	------	14	7	------
Fish wheels	------	------	------	------	------	------	29	------	------	29	------	------
Dip nets	2	1	------	------	------	------	84	52	------	86	53	------
Reef nets	12	6	------	------	------	------	------	------	------	12	6	------
Brush weirs	6	4	------	------	------	------	------	------	------	6	4	------
Crab traps	101	73	------	43	27	------	------	------	------	144	100	------
Clam hoes, shovels, and forks	318	------	------	1,026	------	------	------	------	------	1,344	------	------
Oyster tongs	98	14	151	7	2	12	------	------	------	105	16	163
Total [1]	2,206	958	155	1,449	226	133	1,400	761	42	5,055	1,945	330

[1] Exclusive of duplication.

Yield of the shore fisheries of Washington in 1925, by districts and species

Species	Puget Sound		Washington coast		Columbia River		Total	
FISH	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Carp	------	------	------	------	286,137	$8,584	286,137	$8,584
Flounders	86,164	$2,211	------	------	------	------	86,164	2,211
Grayfish	41,549	86	------	------	------	------	41,549	86
Halibut	337,459	33,826	------	------	------	------	337,459	33,826
Herring	437,435	2,918	5,950	$60	------	------	443,385	2,978
"Lingcod"	13,650	632	------	------	------	------	13,650	632
Rockfishes	131,121	6,615	------	------	------	------	131,121	6,615
Salmon:								
Blueback or sockeye	6,634,422	853,122	328,440	27,370	188,972	22,678	7,151,834	903,170
Chinook	12,537,319	1,087,540	1,399,969	82,430	9,525,335	1,093,514	23,462,623	2,263,484
Chum	905,810	28,365	4,333,464	52,957	1,094,488	19,266	6,333,762	100,588
Humpback	11,270,745	413,150	------	------	------	------	11,270,745	413,150
Silver	7,944,088	556,088	1,643,842	79,696	2,989,311	212,239	12,577,241	848,023
Shad	------	------	------	------	254,610	5,086	254,610	5,086
Skates	1,287	26	------	------	------	------	1,287	26
Smelt:								
Silver	219,839	19,795	------	------	------	------	219,839	19,795
Eulachon	------	------	------	------	1,249,264	18,841	1,249,264	18,841
"Sole"	55,156	2,452	------	------	------	------	55,156	2,452
Steelhead trout	76,437	7,644	56,058	4,425	1,585,382	101,239	1,717,877	113,308
Sturgeon	616	74	26,130	1,829	93,053	5,896	119,799	7,799
Surf fishes	65,509	4,692	708	48	------	------	66,217	4,740
Total	40,758,606	3,019,236	7,794,561	248,815	17,266,552	1,487,343	65,819,719	4,755,394
SHELLFISH								
Crabs	582,710	39,733	267,146	18,214	------	------	849,856	57,947
Shrimp	8,875	1,331	------	------	------	------	8,875	1,331
Clams:								
Hard	221,585	36,299	------	------	------	------	221,585	36,299
Razor	------	------	892,887	123,992	------	------	892,887	123,992
Oysters, market:								
Native	656,268	348,004	7,080	2,038	------	------	663,348	350,042
Eastern	------	------	10,332	9,608	------	------	10,332	9,608
Japanese	28,000	16,000	------	------	------	------	28,000	16,000
Octopus	105,171	6,397	------	------	------	------	105,171	6,397
Trepang or sea cucumber	4,100	185	------	------	------	------	4,100	185
Total	1,606,709	447,949	1,177,445	153,852	------	------	2,784,154	601,801
Grand total	42,365,315	3,467,185	8,972,006	402,667	17,266,552	1,487,343	68,603,873	5,357,195

Yield of the shore fisheries of Washington in 1925, by districts, apparatus, and species

Apparatus and species	Puget Sound		Washington coast		Columbia River		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Haul seines:								
Carp					286,137	$8,584	286,137	$8,584
Flounders	8,158	$209					8,158	209
Grayfish	2,096	5					2,096	5
Herring	66,135	441					66,135	441
"Lincod"	514	24					514	24
Rockfishes	9,378	478					9,378	478
Salmon—								
Blueback or sockeye	36,904	4,745			11,500	1,380	48,404	6,125
Chinook	50,138	5,038			563,868	64,744	614,006	69,782
Chum	330	19			16,839	299	17,169	318
Humpback	93,330	3,408					93,330	3,408
Silver	26,184	1,833			13,770	1,055	39,954	2,888
Shad					73,671	1,474	73,671	1,474
Skates	116	3					116	3
Smelt, silver	140,738	12,666					140,738	12,666
"Sole"	17,737	788					17,737	788
Steelhead trout	180	18			108,560	6,924	108,740	6,942
Sturgeon					84	5	84	5
Surf fishes	53,937	3,845	195	$12			54,132	3,857
Total	505,875	33,520	195	12	1,074,429	84,465	1,580,499	117,997
Drift gill nets:								
Herring			5,950	60			5,950	60
"Lingcod"	950	57					950	57
Salmon—								
Blueback or sockeye	69,755	8,969			30,625	3,677	100,380	12,646
Chinook	765,182	69,862	362,411	18,119	5,003,926	574,449	6,131,519	662,430
Chum	273,830	8,666	885,624	10,821	522,900	9,202	1,682,354	28,689
Humpback	173,890	6,347					173,890	6,347
Silver	670,880	46,964	207,170	10,359	281,540	19,991	1,159,590	77,314
Shad					133,196	2,662	133,196	2,662
Smelt, silver	2,900	290					2,900	290
Steelhead trout	18,765	1,877	2,820	226	497,700	31,118	519,285	33,221
Sturgeon			25,470	1,783	46,920	2,972	72,390	4,755
Surf fishes	1,225	92					1,225	92
Octopus	470	33					470	33
Total	1,977,847	143,157	1,489,445	41,368	6,516,807	644,071	9,984,099	828,596
Set gill nets:								
Grayfish	36,673	74					36,673	74
"Lingcod"	2,222	101					2,222	101
Rockfishes	2,979	161					2,979	161
Salmon—								
Blueback or sockeye			155,412	12,951	5,855	703	161,267	13,654
Chinook			175,036	5,311	42,435	4,867	217,471	10,178
Chum	2,420	145	624,612	7,336	11,790	207	638,822	7,688
Humpback	20	1					20	1
Silver	19,712	1,380	312,650	10,251	8,570	610	340,932	12,241
Shad					784	9	784	9
"Sole"	392	19					392	19
Steelhead trout			27,738	2,159	27,430	1,717	55,168	3,876
Sturgeon					9,880	625	9,880	625
Surf fishes	3,467	268					3,467	268
Octopus	1,225	86					1,225	86
Total	69,110	2,235	1,295,448	38,008	106,744	8,738	1,471,302	48,981
Pound nets:								
Flounders	5,796	148					5,796	148
Grayfish	40	1					40	1
Halibut	242	30					242	30
Herring	140	1					140	1
Rockfishes	8,782	418					8,782	418
Salmon—								
Blueback or sockeye	6,502,762	836,070	173,028	14,419	25,115	3,013	6,700,905	853,502
Chinook	5,162,212	356,662	344,494	15,602	2,808,369	322,399	8,315,075	694,663
Chum	621,790	19,275	2,810,808	34,645	542,331	9,545	3,974,929	63,465
Humpback	9,656,315	352,555					9,656,315	352,555
Silver	3,348,472	234,393	673,700	32,081	1,002,200	71,155	5,024,372	337,629
Shad					30,984	621	30,984	621
Skates	1,051	21					1,051	21
Steelhead trout	55,368	5,537	25,500	2,040	638,960	39,934	719,828	47,511
Sturgeon	616	74	660	46	11,360	721	12,636	841
Octopus	102	7					102	7
Total	25,363,688	1,805,192	4,028,190	98,833	5,059,319	447,388	34,451,197	2,351,413

Yield of the shore fisheries of Washington in 1925, by districts, apparatus, and species—Continued

Apparatus and species	Puget Sound		Washington coast		Columbia River		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Lines:								
Flounders	166	$10					166	$10
Grayfish	2,740	6					2,740	6
Halibut	337,217	33,796					337,217	33,796
Herring	20	1					20	1
"Lingcod"	9,944	449					9,944	449
Rockfishes	99,881	5,048					99,881	5,048
Salmon—								
Blueback or sockeye	5,772	866					5,772	866
Chinook	[1] 6,559,369	655,936	[2] 517,269	$43,360	[3] 728,249	$83,604	7,804,887	782,900
Chum					286	5	286	5
Humpback	[1] 1,111,010	42,218					1,111,010	42,218
Silver	[1] 3,856,424	269,949	445,872	26,782	1,611,633	114,425	5,913,929	411,156
Skates	120	2					120	2
"Sole"	100	5					100	5
Steelhead trout	2,124	212			938	59	3,062	271
Sturgeon					8,609	546	8,609	546
Surf fishes	2,490	175					2,490	175
Octopus	103,374	6,271					103,374	6,271
Total	12,090,751	1,014,944	963,141	70,142	2,349,715	198,639	15,403,607	1,283,725
Drag bag nets:								
Herring	11,740	78					11,740	78
Rockfishes	22	1					22	1
Salmon—								
Chinook			759	38			759	38
Chum			12,420	155			12,420	155
Silver			4,450	223			4,450	223
Smelt, silver	75,301	6,758					75,301	6,758
Surf fishes	4,150	295	513	36			4,663	331
Total	91,213	7,132	18,142	452			109,355	7,584
Beam trawls:								
Flounders	72,044	1,844					72,044	1,844
"Lingcod"	20	1					20	1
Rockfishes	10,079	509					10,079	509
"Sole"	36,927	1,640					36,927	1,640
Surf fishes	240	17					240	17
Trepang or sea cucumber	4,100	185					4,100	185
Shrimp	8,875	1,331					8,875	1,331
Total	132,285	5,527					132,285	5,527
Fish wheels:								
Salmon—								
Blueback or sockeye					110,570	13,268	110,570	13,268
Chinook					376,602	43,234	376,602	43,234
Silver					68,680	4,796	68,680	4,796
Shad					15,975	320	15,975	320
Steelhead trout					285,320	19,832	285,320	19,832
Sturgeon					16,200	1,027	16,200	1,027
Total					873,347	82,477	873,347	82,477
Dip nets:								
Herring	200	2					200	2
Salmon—								
Blueback or sockeye					5,307	637	5,307	637
Chinook					1,886	217	1,886	217
Chum					342	8	342	8
Silver					2,918	207	2,918	207
Smelt—								
Silver	900	81					900	81
Eulachon					[4] 1,249,264	18,841	1,249,264	18,841
Steelhead trout					26,474	1,655	26,474	1,655
Total	1,100	83			1,286,191	21,565	1,287,291	21,648
Reef nets:								
Salmon—								
Blueback or sockeye	19,229	2,472					19,229	2,472
Chinook	418	42					418	42
Chum	7,440	260					7,440	260
Humpback	236,180	8,621					236,180	8,621
Silver	22,416	1,569					22,416	1,569
Total	285,683	12,964					285,683	12,964

[1] Caught largely by trollers off Neah Bay.
[2] Caught largely by trollers off Grays Harbor and Willipa Harbor, though a small portion of this catch may have been taken off the mouth of the Columbia River.
[3] All taken by trollers off the mouth of the Columbia River.
[4] Caught in tributaries of the Columbia River.

Yield of the shore fisheries of Washington in 1925, by districts, apparatus, and species—Continued

Apparatus and species	Puget Sound		Washington coast		Columbia River		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Brush weirs: Herring	359,200	$2,395					359,200	$2,395
Crab traps: Crabs	582,710	39,733	267,146	$18,214			849,856	57,947
Shovels:								
Clams, hard	221,585	36,299					221,585	36,299
Clams, razor			892,887	123,992			892,887	123,992
Total	221,585	36,299	892,887	123,992			1,114,472	160,291
Tongs:								
Oysters, market, private—								
Native	656,268	348,004	7,080	2,038			663,348	350,042
Eastern			10,332	9,608			10,332	9,608
Japanese	28,000	16,000					28,000	16,000
Total	684,268	364,004	17,412	11,646			701,680	375,650

OREGON

The fisheries of Oregon employed 4,945 persons, 8 vessels, 2,224 motor boats, and 539 rowboats in 1925. The products of the fisheries amounted to 40,007,349 pounds, valued at $3,442,366.

The various species of salmon were by far the most important of Oregon's commercial fishes, yielding 34,357,936 pounds, valued at $3,059,473. Steelhead trout contributed 2,307,062 pounds, valued at $169,410; shad, 1,016,776 pounds, valued at $31,381; halibut, 577,742 pounds, valued at $75,713; sablefish, 347,592 pounds, valued at $17,271; and eulachon or smelt, 308,676 pounds, valued at $4,352. The remaining portion of the catch amounted to 322,161 pounds, valued at $15,245, and consisted of carp, "lingcod," rockfishes, sole, striped bass, and sturgeon. The yield of the various kinds of shellfish, consisting of crabs, crawfish, clams, and oysters, amounted to 769,404 pounds, valued at $69,521.

Vessel fisheries.—In the vessel fishery only 8 vessels, having a net tonnage of 80 and carrying 36 fishermen, were actually engaged in fishing. The catch was made up entirely of halibut, "lingcod," rockfishes, and sablefish, amounting to 1,015,222 pounds, valued at $95,459. The fares of these vessels were landed at Portland and Astoria, Oreg.

Shore and boat fisheries.—The shore and boat fisheries greatly exceeded the vessel fisheries in importance, employing 4,909 fishermen, 2,224 motor boats of under 5 tons net, and 539 rowboats, and yielded products amounting to 38,992,127 pounds, valued at $3,346,907.

Men and boats engaged in the shore fisheries of Oregon in 1925, by apparatus and districts

Apparatus	Columbia River			Oregon coast			Total		
	Men	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*
Gill nets:									
Drift	1,634	979		1,026	677		2,660	1,656	
Set	138	62	76	577	206	371	715	268	447
Haul seines	592	40	24	121	14	14	713	54	38
Pound nets	64	32					64	32	
Lines	409	257		90	53		499	310	
Dip nets	238		37				238		37
Wheels	33						33		
Crab traps				259	259		259	259	
Crawfish traps	44	24	20				44	24	20
Clam shovels and forks				236			236		
Oyster tongs				5	1	3	5	1	3
Total [1]	3,013	1,303	157	1,896	921	382	4,909	2,224	539

[1] Exclusive of duplication.

Yield of the fisheries of Oregon in 1925, by districts and species [1]

Species	Columbia River		Oregon coast		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Carp	62,700	$1,881			62,700	$1,881
Halibut	577,742	75,713			577,742	75,713
"Lingcod"	58,592	1,617			58,592	1,617
Rockfishes	31,296	858			31,296	858
Sablefish	347,592	17,271			347,592	17,271
Salmon:						
Blueback or sockeye	352,726	42,327	73	$9	352,799	42,336
Chinook	17,211,872	1,975,923	4,208,395	381,772	21,420,267	2,357,695
Chum	1,108,849	19,516	1,229,496	14,566	2,338,345	34,082
Silver	4,703,124	333,922	5,543,401	291,438	10,246,525	625,360
Shad	410,527	8,211	606,249	23,170	1,016,776	31,381
Smelt, eulachon	308,676	4,352			308,676	4,352
"Sole"	2,243	112			2,243	112
Steelhead trout	1,770,839	110,677	536,223	58,733	2,307,062	169,410
Striped bass			6,000	600	6,000	600
Sturgeon	138,309	8,989	23,021	1,188	161,330	10,177
Total	27,085,087	2,601,369	12,152,858	771,476	39,237,945	3,372,845
SHELLFISH						
Crabs			522,201	35,402	522,201	35,402
Crawfish	128,250	12,255			128,250	12,255
Clams:						
Razor			89,132	13,845	89,132	13,845
Soft			20,128	3,719	20,128	3,719
Oysters, native, market			9,693	4,300	9,693	4,300
Total	128,250	12,255	641,154	57,266	769,404	69,521
Grand total	27,213,337	2,613,624	12,794,012	828,742	40,007,349	3,442,366

[1] All taken by shore fisheries except the halibut, "lingcod," rockfishes, and sablefish, totaling 1,015,222 pounds and valued at $95,459, which were taken by 8 vessels operating trawl lines and landing their fares principally at Portland and Astoria, Oreg. These vessels had a total net tonnage of 80 and carried 36 fishermen.

CALIFORNIA

In 1925 the fisheries of California were prosecuted by 4,518 fishermen, who used 362 vessels with a tonnage of 5,350 net tons, as well as 1,255 motor boats and 150 rowboats. The greater part of their catch was made in waters off California, where 414,503,026 pounds, valued at $9,716,492, were taken. From waters off Mexico, 22,381,881 pounds, valued at $1,707,493, were landed, and 3,415,608 pounds of dried cod, valued at $237,724, were caught by California fishermen in the waters off Alaska. The total yield amounted to 440,300,515 pounds, valued at $11,661,709.

The various species used for canning loom largest in the California catch. The pilchard or sardine, with a yield of 315,294,986 pounds, valued at $2,087,756, accounted for three-fourths of the total quantity and one-fifth of the value. Next was the albacore, with 22,206,923 pounds, valued at $2,333,600. The two tunas—bluefin and yellowfin—accounted for 17,468,428 pounds, valued at $1,446,991. Salmon yielded 9,525,753 pounds, valued at $919,720; skipjack, 14,235,089 pounds, valued at $751,609; and bonita, 866,530 pounds, valued at $25,983.

Of the market species, the flounder group was most important, yielding 13,765,487 pounds, valued at $736,996, of which 2,451,759 pounds, valued at $334,136, were reported as "California halibut," and 8,762,535 pounds, valued at $331,391, as soles. Barracuda was next, with 8,005,601 pounds, valued at $340,341; yellowtail, 3,179,891 pounds, valued at $272,717; the rockfishes, 5,453,510 pounds, valued at $266,069; and white sea bass, 1,920,295 pounds, valued at $252,144. The salt-cod production was 3,415,608 pounds, valued at $237,724. The remaining 13,406,860 pounds, valued at $653,412, were made up of smaller quantities of over 30 varieties of fish.

The production of shellfish amounted to 8,872,118 pounds, valued at $1,197,804. Spiny lobsters, crabs, and abalone, each with more than $250,000 worth of products, were the most important items in the catch. In addition to the fish and shellfish products, there were whale products to the value of $138,843, consisting of 1,525,733 pounds of whale oil, valued at $111,887; 48,870 pounds of sperm oil, valued at $2,281, and 1,108,833 pounds of other whale products, valued at $24,675.

Vessels engaged in the fisheries of California in 1925, by apparatus and districts

Apparatus	Northern district			San Francisco district			Monterey district		
	Number	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*
Lines	7	41	11	7	1,408	114	3	26	17
Lampara nets							4	34	46
Paranzella nets	2	14	10	12	211	59			
Gill nets	1	5	2	1	5	1			
Bag nets				1	6	2			
Crab traps							1	5	1
Abalone outfit				1	7	5	3	27	15
Whaling apparatus				4	147	44			
Total [1]	9	55	21	25	1,761	223	8	66	62

Apparatus	Los Angeles district			San Diego district			Total		
	Number	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*	*Number*	*Tonnage*	*Crew*
Lines	164	1,403	984	101	935	432	282	3,813	1,558
Lampara nets	119	1,103	815	85	822	388	207	1,959	1,249
Purse seines	43	1,022	367	3	75	25	46	1,097	392
Trammel nets	13	115	38	9	64	33	22	179	71
Paranzella nets	2	10	4				16	235	73
Gill nets	23	152	83	11	74	38	36	286	124
Bag nets							1	6	2
Lobster traps	4	23	10	5	63	14	9	86	24
Crab traps							1	5	1
Abalone outfit							4	34	20
Whaling apparatus							4	147	44
Dip nets	1	8	2				1	8	2
Total [1]	212	2,434	1,274	106	1,034	464	362	5,350	2,044

[1] Exclusive of duplication.

NOTE.—All of the above were motor vessels, except 10 vessels sailing from the San Francisco district, as follows: 4 schooners in the line fishery, 4 steamers in the whale fishery, and 2 steamers in the paranzella fishery.

Men and boats engaged in the shore fisheries of California in 1925, by apparatus and districts

Apparatus	Northern district			San Francisco district			Monterey district		
	Men	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*
Lines	166	133	4	356	274	5	208	146	
Gill nets	190	3	123	225	132	10	8	4	
Lampara nets	2	1		47	11		285	26	
Haul seines	15		1	8	5	1			
Bag nets				26	13	1			
Fyke nets	2	2		9	7	1			
Crab traps	29	26		178	173	1	2	2	
Lobster traps				1	1				
Clam shovels	6			16	1				
Oyster tongs				2	1				
Total [1]	375	135	126	618	414	20	417	165	

Apparatus	Los Angeles district			San Diego district			Total		
	Men	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*	*Men*	*Motor boats*	*Row-boats*
Lines	601	346	3	266	157		1,597	1,056	12
Gill nets	105	32	1	56	30		584	201	134
Lampara nets	218	53		63	23		616	114	
Haul seines	3	1					26	6	2
Trammel nets	67	21		32	12		99	33	
Paranzella nets	15	5					15	5	
Bag nets							26	13	1
Fyke nets							11	9	1
Crab traps				1	1		210	192	1
Lobster traps	42	25		31	24		74	50	
Clam shovels	62			2			86	1	
Oyster tongs							2	1	
Total [1]	788	382	4	276	159		2,474	1,255	150

[1] Exclusive of duplication.

Summary of the yield of the California fisheries in 1925, by species

Species	From waters off California		From waters off Mexico		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore	21,684,942	$2,282,776	521,981	$50,824	22,206,923	$2,333,600
Anchovies	123,919	1,232			123,919	1,232
Barracuda	5,945,605	268,753	2,059,996	71,588	8,005,601	340,341
Bonito	770,232	23,980	96,298	2,003	866,530	25,983
Carp	94,935	1,928			94,935	1,928
Catfish	366,279	54,942			366,279	54,942
Cod, dry salted	[1] 3,415,608	237,724			[1] 3,415,608	237,724
Eels	246	13			246	13
Flounders	2,551,193	71,469			2,551,193	71,469
Grayfish	372,332	3,723			372,332	3,723
Hake	22,017	441			22,017	441
Halibut	162,102	21,579			162,102	21,579
Halibut, "California"	1,351,456	189,407	1,100,303	144,729	2,451,759	334,136
Hardhead	24,028	961			24,028	961
Herring	862,974	17,259	2,800	56	865,774	17,315
Kingfish	536,604	12,867	50	1	536,654	12,868
"Lingcod"	683,130	40,975			683,130	40,975
Mackerel	3,506,103	97,408	16,316	346	3,522,419	97,754
Mullet	21,651	1,861	15,156	758	36,807	2,619
Pike, Sacramento	5,764	231			5,764	231
Pilchard or sardine	315,294,986	2,087,756			315,294,986	2,087,756
Pompano	9,111	4,181	1,425	627	10,536	4,808
Rock bass	310,061	27,004	20,224	1,539	330,285	28,543
Rockfishes	5,449,694	265,914	3,816	155	5,453,510	266,069
Sablefish	722,472	26,118			722,472	26,118
Salmon	9,525,753	919,720			9,525,753	919,720
Sculpin	226,456	22,419			226,456	22,419

[1] From waters off Alaska.

Summary of the yield of the California fisheries in 1925, by species—Continued

Species	From waters off California		From waters off Mexico		Total	
FISH—continued						
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Sea bass:						
Black	102,904	$2,286	86,168	$1,316	189,072	$3,602
White or squeteague	925,623	120,986	994,672	131,158	1,920,295	252,144
Shad	2,439,726	105,118			2,439,726	105,118
Sheepshead	47,748	1,042	1,063	16	48,811	1,058
Skates	183,484	3,625			183,484	3,625
Skipjack or striped tuna	8,768,114	501,101	5,466,975	250,508	14,235,089	751,609
Smelt, silver	749,798	40,911	1,871	42	751,669	40,953
"Sole"	8,756,338	331,196	6,197	195	8,762,535	331,391
Splittail	6,557	131			6,557	131
Steelhead trout	222	31			222	31
Striped bass	837,773	116,028			837,773	116,028
Suckers	5,709	114			5,709	114
Surf fishes	268,473	13,126			268,473	13,126
Swordfish	25,612	3,665	1,433	186	27,045	3,851
Tomcod	14,508	363			14,508	363
Tuna:						
Bluefin	3,803,677	342,140			3,803,677	342,140
Yellowfin	2,963,620	266,114	10,274,278	800,307	13,237,898	1,066,421
Mixed	385,463	35,077	41,390	3,353	426,853	38,430
Whitebait	70,968	3,903			70,968	3,903
Whitefish	219,430	11,925	2,682	109	222,112	12,034
Yellowtail	2,586,621	226,628	593,270	46,089	3,179,891	272,717
Other fish	215,653	10,089	18,923	917	234,576	11,006
Total	407,417,674	8,818,240	21,327,287	1,506,822	428,744,961	10,325,062
SHELLFISH						
Crabs	3,234,312	269,526			3,234,312	269,526
Shrimp	1,460,234	146,023			1,460,234	146,023
Sea crawfish or spiny lobster	432,059	89,207	1,054,347	200,578	1,486,406	289,785
Oysters, eastern, market	56,900	24,386			56,900	24,386
Oysters, native, market	25	8			25	8
Clams:						
Cockle	399	299			399	299
Mixed	9,265	6,176	11	6	9,276	6,182
Pismo	80,811	40,406			80,811	40,406
Soft	44,009	27,856			44,009	27,856
Mussels	4,324	631			4,324	631
Abalone	470,572	261,429	160	78	470,732	261,507
Octopus	133,394	12,019	55	8	133,449	12,027
Squid	1,891,220	119,167			1,891,220	119,167
Turtles			21	1	21	1
Total	7,817,524	997,133	1,054,594	200,671	8,872,118	1,197,804
WHALE PRODUCTS						
Sperm oil	48,870	2,281			48,870	2,281
Whale oil	1,525,733	111,887			1,525,733	111,887
Other whale products	1,108,833	24,675			1,108,833	24,675
Total	2,683,436	138,843			2,683,436	138,843
Grand total	417,918,634	9,954,216	22,381,881	1,707,493	440,300,515	11,661,709

Yield of the fisheries off the California coast in 1925, by districts and species

Species	Northern district		San Francisco District		Monterey district	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore			20,525	$2,258	439,304	$32,296
Anchovies			26,012	260	1,400	7
Bonito			13	1	6,025	301
Carp	29,652	$593	65,028	1,327		
Catfish	163,239	24,486	203,040	30,456		
Cod, dry salted			[1] 3,415,608	237,724		
Eels			130	7		
Flounders	73,418	1,736	2,085,734	58,843	379,889	10,329
Grayfish			196,131	1,961	870	9
Hake			16,892	338	5,125	103

[1] Taken in Bering Sea.

Yield of the fisheries off the California coast in 1925, by districts and species—Contd.

Species	Northern district		San Francisco district		Monterey district	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Halibut	151,262	$20,278	10,840	$1,301		
Halibut, "California"					8,761	$1,051
Hardhead	431	17	23,597	944		
Herring	3,222	64	847,071	16,941	2,136	43
Kingfish			3,888	136	103,832	4,153
"Lingcod"	49,165	2,950	426,571	25,594	204,862	12,292
Mackerel	100	3	446	13	845,764	25,373
Pike, Sacramento			5,764	231		
Pilchard or sardine			464,182	9,284	124,756,314	785,965
Pompano					60	18
Rockfishes	66,414	3,319	747,191	42,324	1,190,918	39,388
Sablefish	11,275	564	418,442	16,738	291,929	8,758
Salmon	4,377,256	323,874	4,049,782	485,974	1,098,715	109,872
Sculpin			125	13	3,227	323
Sea bass: White or squeteague	29	3	56,131	5,231	41,686	1,294
Shad			2,439,726	105,118		
Skates	650	13	156,328	3,127	17,452	349
Skipjack or striped tuna			1,344	81	11,292	565
Smelt, silver	39,473	2,763	110,247	7,717	142,606	12,319
"Sole"	257,797	10,312	6,845,793	239,604	1,462,006	73,100
Splittail			6,557	131		
Steelhead trout	222	31				
Striped bass			837,716	116,021	57	7
Suckers	4,972	99	737	15		
Surf fishes	41,013	1,230	89,209	2,676	32,255	1,290
Tom cod			12,633	316	1,875	47
Whitebait	38,017	2,091	32,951	1,812		
Other fish	15,640	782	10,226	511	24,350	487
Total	5,323,247	395,208	23,626,610	1,415,028	131,072,710	1,119,739
SHELLFISH						
Crabs	196,944	16,412	2,962,800	246,900	74,568	6,214
Shrimp			1,460,234	146,023		
Oysters:						
Eastern, market			56,900	24,386		
Native, market			25	8		
Clams:						
Cockle	64	48	335	251		
Mixed	3,656	2,437	5,385	3,590	18	12
Pismo					15	8
Soft	137	82	43,872	27,774		
Mussels			3,561	534	549	66
Abalone					467,352	259,640
Octopus	81	7	15,667	1,410	117,450	10,571
Squid			492	25	1,827,416	109,645
Total	200,882	18,986	4,549,271	450,901	2,487,368	386,156
WHALE PRODUCTS						
Sperm oil			48,870	2,281		
Whale oil			1,525,733	111,887		
Other whale products			1,108,833	24,675		
Total			2,683,436	138,843		
Grand total	5,524,129	414,194	30,859,317	2,004,772	133,560,078	1,505,895

Species	Los Angeles district		San Diego district		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore	16,760,017	$1,801,712	4,465,096	$446,510	21,684,942	$2,282,776
Anchovies	96,507	965			123,919	1,232
Barracuda	5,154,707	237,117	790,898	31,636	5,945,605	268,753
Bonito	629,065	19,624	135,129	4,054	770,232	23,980
Carp			255	8	94,935	1,928
Catfish					366,279	54,942
Cod, dry salted					3,415,608	237,724
Eels	116	6			246	13
Flounders	12,112	560	40	1	2,551,193	71,469
Grayfish	8,992	90	166,339	1,663	372,332	3,723
Hake					22,017	441
Halibut					162,102	21,579
Halibut, "California"	1,087,508	152,630	255,187	35,726	1,351,456	189,407

Yield of the fisheries off the California coast in 1925, by districts and species—Contd.

Species	Los Angeles district		San Diego district		Total	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Hardhead					24,028	$961
Herring	1,480	$30	9,065	$181	862,974	17,259
Kingfish	419,378	8,388	9,506	190	536,604	12,867
"Lingcod"	2,532	139			683,130	40,975
Mackerel	2,074,768	57,393	585,025	14,626	3,506,103	97,408
Mullet	6,419	642	15,232	1,219	21,651	1,861
Pike, Sacramento					5,764	231
Pilchard or sardine	174,405,326	1,185,957	15,669,164	106,550	315,294,986	2,087,756
Pompano	8,974	4,128	77	35	9,111	4,181
Rockbass	122,076	11,025	187,985	15,979	310,061	27,004
Rockfishes	1,889,387	103,094	1,555,784	77,789	5,449,694	265,914
Sablefish	826	58			722,472	26,118
Salmon					9,525,753	919,720
Sculpin	200,395	20,039	22,709	2,044	226,456	22,419
Sea bass:						
Black	42,488	1,078	60,416	1,208	102,904	2,286
White or squeteague	662,748	91,481	165,029	22,977	925,623	120,986
Shad					2,439,726	105,118
Sheepshead	28,850	664	18,898	378	47,748	1,042
Skates	8,984	135	70	1	183,484	3,625
Skipjack or striped tuna	6,268,079	376,085	2,487,399	124,370	8,768,114	501,101
Smelt, silver	438,714	17,549	18,758	563	749,798	40,911
"Sole"	183,394	7,886	7,348	294	8,756,338	331,196
Splittail					6,557	131
Steelhead trout					222	31
Striped bass					837,773	116,028
Suckers					5,709	114
Surf fishes	100,286	7,530	5,710	400	268,473	13,126
Swordfish	8,023	1,203	17,589	2,462	25,612	3,665
Tom cod					14,508	363
Tuna:						
Bluefin	3,765,496	338,895	38,181	3,245	3,803,677	342,140
Yellowfin	2,841,212	255,709	122,408	10,405	2,963,620	266,114
Mixed	385,463	35,077			385,463	35,077
Whitebait					70,968	3,903
Whitefish	136,235	7,765	83,195	4,160	219,430	11,925
Yellowtail	1,353,045	121,774	1,233,576	104,854	2,586,621	226,628
Other fish	165,437	8,309			215,653	10,089
Total	219,269,039	4,874,737	28,126,068	1,013,528	407,417,674	8,818,240
SHELLFISH						
Crabs					3,234,312	269,526
Shrimp					1,460,234	146,023
Sea crawfish or spiny lobster	293,401	61,475	138,658	27,732	432,059	89,207
Oysters:						
Eastern, market					56,900	24,386
Native, market					25	8
Clams:						
Cockle					399	299
Mixed	74	49	132	88	9,265	6,176
Pismo	80,796	40,398			80,811	40,406
Soft					44,009	27,856
Mussels	214	31			4,324	631
Abalone	3,220	1,789			470,572	261,429
Octopus	196	31			133,394	12,019
Squid	44,867	6,730	18,445	2,767	1,891,220	119,167
Total	422,768	110,503	157,235	30,587	7,817,524	997,133
WHALE PRODUCTS						
Sperm oil					48,870	2,281
Whale oil					1,525,733	111,887
Other whale products					1,108,833	24,675
Total					2,683,436	138,843
Grand total	219,691,807	4,985,240	28,283,303	1,044,115	417,918,634	9,954,216

Yield of the fisheries by California fishermen in waters off the coast of Mexico, 1925

Species	Landed at San Pedro		Landed at San Diego		Total	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore	512,748	$49,993	9,233	$831	521,981	$50,824
Barracuda	1,631,427	58,731	428,569	12,857	2,059,996	71,588
Bonito	77,675	1,631	18,623	372	96,298	2,003
Halibut, "California"	168,972	23,656	931,331	121,073	1,100,303	144,729
Herring			2,800	56	2,800	56
Kingfish			50	1	50	1
Mackerel	3,869	97	12,447	249	16,316	346
Mullet			15,156	758	15,156	758
Pompano			1,425	627	1,425	627
Rock bass	3,676	298	16,548	1,241	20,224	1,539
Rockfishes	326	15	3,490	140	3,816	155
Sea bass:						
Black	4,696	94	81,472	1,222	86,168	1,316
White or squeteague	370,254	49,984	624,418	81,174	994,672	131,158
Sheepshead	70	1	993	15	1,063	16
Skipjack or striped tuna	3,182,899	159,145	2,284,076	91,363	5,466,975	250,508
Smelt, silver	472	14	1,399	28	1,871	42
"Sole"	3,190	105	3,007	90	6,197	195
Swordfish			1,433	186	1,433	186
Tuna:						
Yellowfin	5,947,255	475,780	4,327,023	324,527	10,274,278	800,307
Mixed	41,390	3,353			41,390	3,353
Whitefish	222	11	2,460	98	2,682	109
Yellowtail	318,767	25,501	274,503	20,588	593,270	46,089
Other fish	16,288	764	2,635	153	18,923	917
Total	12,284,196	849,173	9,043,091	657,649	21,327,287	1,506,822
SHELLFISH						
Sea crawfish or spiny lobster	19,363	3,931	1,034,984	196,647	1,054,347	200,578
Clams, mixed	11	6			11	6
Abalone	160	78			160	78
Octopus	55	8			55	8
Turtles	21	1			21	1
Total	19,610	4,024	1,034,984	196,647	1,054,594	200,671
Grand total	12,303,806	853,197	10,078,075	854,296	22,381,881	1,707,493

COMPARATIVE STATISTICS OF THE FISHERIES OF THE PACIFIC COAST STATES

With the presentation in this report of the 1924 and 1925 statistics, there are available four successive sets of annual data on the fisheries of the Pacific Coast States. It seems desirable to bring together these four years' statistics for ready reference purposes. This is especially desirable because some revisions have been necessary in the data for 1922 and 1923, particularly as regards the oysters, clams, scallops, and mussels. In the first presentation of the statistics there was some confusion in reporting these shellfish, with respect to their poundage on a shell-free basis.[6] In the tables given herewith they are all reported on the basis of pounds of meats without shells. The following statement shows the equivalents used:

[6] In all statistical reports of the Bureau of Fisheries it has been customary to report the oysters, clams, scallops, and mussels on the basis of pounds of meats. Through misunderstanding of the State reports, the 1923 poundage reported (and to a lesser extent that of 1922), included the shells of some of these mollusks.

Variety	Customary unit of measure with shells	Equivalent weight with shells	Equivalent weight of meats as given in table
		Pounds	*Pounds*
Oysters:			
Native—			
Washington	Sack	120	24
Oregon and California	do	120	18
Eastern and Japanese	Bushel	70	7
Clams:			
Hard and cockle	do	60	8
Soft	do	60	10
Pismo	Dozen	24	6
Razor	Sack	100	36
Mixed	Bushel	60	9
Scallops	do	40	6
Mussels	do	60	10
Abalone	Dozen	50	10

It should be pointed out also that not all of the statistics in this section are strictly comparable. Those for 1922 were collected in a canvass by the bureau's agents, and those for 1923, 1924, and 1925 were collected largely by the States (which require reports from the various fishing operators) and supplemented with canvassing by the bureau's agents (see explanation, p. 419).

As bearing on the comparability of the statistics collected by various agencies, the records of California for the year 1922, as collected by the California Fish and Game Commission and by the Bureau of Fisheries, may be of significance. The statistics collected by the State agency were secured by means of duplicates of sales slips, which all fish dealers are required to transmit to the State authorities. This gives a bookkeeping record for compilation and must be considered as highly accurate, unless there is some loss through illegibility of slips and failure to transmit slips to the State. We believe these losses to be negligible. The statistics collected by the bureau were taken by means of a canvass by field agents, who derived most of their information direct from fishermen and wholesalers and used the State compilations to a certain extent. The use of the State figures was limited by the necessity of collecting the data on the catches of each type of gear and each vessel engaged in fishing. As such classification was not available from State compilations, the information was sought direct from operators and consisted largely of estimates of their catches.

From the table given herewith, it may be seen that the totals differ by about 1 per cent. The differences of various items exceed 11 per cent in only three cases. Two of these (the carp and catfish) are differences that probably arose from the restriction of the bureau's canvass to the lower portions of the rivers while the State statistics included the catch from the upper portions of the rivers. The third large difference (in mullet) may be due to confusion of names or to exclusion of the Salton Sea statistics from the State tabulations. The well-known staple fishes were reported in substantially the same amounts by both agencies. In many cases the comparison is closer than would be expected from independent collections of data, and, indeed, the two collections were not wholly independent, for the State figures were used where possible by the bureau's agents. On the whole, it may be concluded that the statistics are in sufficient agree-

ment to be comparable within certain limits, and the agreement is closer than would be expected of entirely independent collections of data.

Comparison of the collection of fisheries statistics by the California Fish and Game Commission and the United States Bureau of Fisheries [1]

Variety	As collected by the California Fish and Game Commission	As collected by the Bureau of Fisheries	Per cent that the Bureau of Fisheries statistics are more (+) or less (−) than those of the California commission
	Pounds	*Pounds*	
Albacore and tuna	24,099,773	25,252,392	+5
Anchovies	652,516	652,516	0
Barracuda	6,250,218	6,284,065	+1
Bonito and skipjack	12,791,447	11,648,413	−9
Carp	66,913	55,054	[2] −18
Catfish	125,679	7,361	[2] −94
Flounders	12,158,553	11,692,376	−4
Grayfish	282,018	314,176	+11
Hake	74,516	78,763	+6
Hardhead	18,206	18,206	0
Herring	341,621	341,614	0
Kingfish	581,863	579,754	0
"Lingcod"	568,481	569,821	0
Mackerel	2,495,928	2,498,197	0
Mullet	30,946	148,628	[2] +471
Pilchard or sardine	93,399,900	92,114,542	−1
Pompano	16,422	16,494	0
Rockbass	316,051	285,494	−10
Rockfishes	4,262,678	4,219,650	−1
Sablefish	268,554	268,905	0
Salmon	7,235,124	7,236,580	0
Sculpin	42,121	44,176	0
Sea bass:			
Black	97,354	87,559	−10
White	2,981,488	2,904,054	−3
Shad	1,109,445	1,133,270	+2
Sheepshead	18,205	18,245	0
Skates	121,210	121,753	0
Smelt	830,140	728,406	−7
Steelhead	2,490	2,490	0
Striped bass	684,198	678,820	−1
Surf fishes	237,634	236,431	−1
Swordfish	23,256	24,363	+5
Tomcod	32,114	31,344	−2
Whitebait	84,007	84,007	0
Whitefish	30,270	32,184	+6
Yellowtail	3,414,423	3,416,572	0
Other fish	279,651	273,193	−2
Total	176,025,413	174,099,868	−1

[1] The material used herewith are the data on 1922 production of fishes, exclusive of salt cod.
[2] See discussion in text, p. 452.

As the State-collected statistics of California are considered the more reliable of the two sets available, they have been used in the tables given in this section. In those tables requiring the values as well as quantities of California fish the 1922 statistics were omitted because there are no values available for the specific quantities reported by the State.

The comparative tables that follow give the statistics on fishermen, vessels, and boats for the Pacific Coast States as a whole for the years 1922 to 1925, inclusive, and for each State separately; on quantities and values, by species, of the yield of the fisheries of the Pacific Coast States for the years 1923 to 1925, inclusive; on quantities and values, by species, for Washington and Oregon, 1922 to 1925, inclusive;

on quantities, by species, for California, 1918 to 1925, inclusive, and on values, by species, for California, for the years 1923 to 1925. Separate tables are given, showing the yield by species, of the fisheries prosecuted by California fishermen off the coast of Mexico and off the coast of California.

Comparative statistics of the personnel and fishing craft employed in the fisheries of the Pacific Coast States, 1922 to 1925

Items	1922	1923	1924	1925
Vessel fishery:	*Number*	*Number*	*Number*	*Number*
Fishermen	3,162	3,932	3,597	4,418
Vessels	526	555	560	673
Tonnage	10,265	11,095	12,064	13,361
Shore fishery:				
Fishermen	8,439	10,309	11,762	12,438
Motor boats	4,173	5,100	5,727	5,424
Rowboats	1,041	657	676	1,019

Comparative statistics of the yield of the fisheries of the Pacific Coast States, 1923 to 1925

Species	1923		1924		1925	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Albacore	12,514,833	$1,627,193	17,695,362	$1,828,812	22,206,923	$2,333,600
Anchovies	307,074	19,292	346,951	1,984	123,919	1,232
Barracuda	7,200,575	575,285	7,128,523	257,022	8,005,601	340,341
Bonito	1,115,247	47,310	1,038,369	29,130	866,530	25,983
Carp	532,312	14,483	455,223	12,930	443,772	12,393
Catfish	130,516	23,333	351,960	51,977	366,279	54,942
Cod:						
Fresh	[1]	[1]			1,027	58
Dry salted	5,078,711	253,936	6,584,819	366,856	7,541,146	421,180
Flounders	2,074,483	74,260	2,269,743	63,068	2,811,858	78,147
Grayfish	419,763	1,887	489,639	12,229	413,881	3,809
Hake	78,969	789	60,780	1,519	22,017	441
Halibut	25,015,540	3,319,876	15,973,183	2,138,170	19,256,185	2,177,125
Halibut, "California"	2,426,837	392,749	2,576,261	348,759	2,451,759	334,136
Hardhead	9,563	96	19,023	761	24,028	961
Herring	903,089	10,124	619,064	10,438	1,535,617	21,810
Kingfish	411,564	10,301	384,317	8,892	536,654	12,868
"Lingcod"	[1]	[1]	928,988	40,600	1,437,216	64,005
Mackerel	3,592,446	144,082	3,240,534	86,834	3,522,419	97,754
Mullet	74,225	8,065	61,971	3,343	36,807	2,619
Pilchard or sardine	159,197,006	704,280	242,685,958	2,079,727	315,294,986	2,087,756
Pompano	32,918	13,298	17,579	7,855	10,536	4,808
Rock bass	357,269	30,301	466,208	38,876	330,285	28,543
Rockfishes	6,136,813	294,977	5,051,200	223,231	5,927,306	284,248
Sablefish	3,014,772	156,871	2,989,185	146,001	3,512,464	210,512
Salmon	106,089,172	7,208,526	101,960,651	7,825,101	139,848,020	10,149,961
Sculpin	60,466	6,046	109,070	10,213	226,456	22,419
Sea bass:						
Black	226,995	22,168	231,404	4,163	189,072	3,602
White, or squeteague	2,520,263	224,869	1,515,584	185,086	1,920,295	252,144
Shad	1,778,009	66,870	2,716,081	87,054	3,711,112	141,585
Sheepshead	31,628	639	24,267	493	48,811	1,058
Skates	141,198	791	141,316	2,070	184,771	3,651
Skipjack or striped tuna	11,462,522	298,085	3,780,971	179,210	14,235,089	751,609
Smelt:						
Silver	1,073,736	43,661	1,179,418	86,401	977,333	61,270
Eulachon	1,188,390	11,882	1,210,153	12,103	1,557,940	23,193
"Sole"	7,205,939	290,268	9,101,728	315,795	8,995,969	341,732
Steelhead trout	4,259,527	301,505	4,835,099	270,894	4,026,070	282,840
Striped bass	909,573	90,957	661,777	87,493	843,773	116,628
Sturgeon	208,178	16,726	261,712	16,930	281,129	17,976
Surf fishes	394,792	20,638	332,865	15,961	348,929	18,881
Swordfish	11,691	1,468	31,833	3,610	27,045	3,851
Tomcod	47,551	3,754	42,948	982	14,508	363
Tuna:						
Bluefin	3,301,087	165,885	3,241,110	291,306	3,803,677	342,140
Yellowfin	10,836,925	600,412	3,063,398	244,389	13,237,898	1,066,421
Mixed	662,370	35,471	546,538	48,577	426,853	38,430

[1] Included with rockfishes.

Comparative statistics of the yield of the fisheries of the Pacific Coast States, 1923 to 1925—Continued

Species	1923		1924		1925	
FISH—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Whitebait	67,818	$1,356	122,483	$2,449	70,968	$3,903
Whitefish	39,908	2,089	273,077	14,391	222,112	12,034
Yellowtail	3,979,611	217,050	4,714,149	375,156	3,179,891	272,717
Other fish	237,073	9,762	376,640	18,658	252,852	11,495
Total	387,358,947	17,363,666	451,909,112	17,857,499	595,309,788	22,539,174
SHELLFISH						
Crabs	2,588,748	253,879	3,085,814	224,668	4,708,858	370,008
Crawfish	141,800	12,000	12,200	966	128,250	12,255
Sea crawfish or spiny lobster	1,092,858	225,656	1,027,312	199,650	1,486,406	289,785
Shrimp	1,148,015	71,305	1,589,098	160,811	1,495,995	151,386
Clams:						
Cockle	4,815	3,973	845	571	399	299
Hard	79,825	17,276	204,212	26,659	221,585	36,299
Mixed	3,877	2,076	7,407	3,333	9,276	6,182
Pismo	59,487	16,656	73,287	35,178	80,811	40,406
Razor	430,698	53,839	557,084	77,874	982,019	137,837
Soft	52,469	12,752	55,175	18,447	64,137	31,575
Mussels	10,004	3,002	8,204	1,119	4,324	631
Oysters:						
Eastern	113,764	62,319	88,700	45,938	67,232	33,994
Native	696,240	327,970	661,770	346,752	673,066	354,350
Japanese	9,800	7,000	15,680	9,997	28,000	16,000
Scallops			4,200	1,155	6,000	1,650
Abalone	317,547	60,367	449,362	249,646	470,732	261,507
Octopus	162,670	12,599	270,825	9,707	239,019	18,450
Squid	1,180,446	7,680	6,831,029	409,350	1,891,220	119,167
Other shellfish	1,270	77	363	28	4,121	186
Total	8,094,333	1,150,426	14,942,567	1,821,849	12,561,450	1,881,967
WHALE PRODUCTS						
Sperm oil	362,835	19,782	67,875	3,620	135,495	6,901
Whale oil	6,019,793	407,950	4,403,963	314,475	1,667,858	123,257
Other whale products	3,114,000	100,306	2,373,500	54,771	1,318,833	29,225
Total	9,496,628	528,038	6,845,338	372,866	3,122,186	159,383
Grand total	404,949,908	19,042,130	473,697,017	20,052,214	610,993,424	24,580,524

Comparative statistics of the personnel and fisheries craft employed in the fisheries of Washington, 1922 to 1925

Items	1922	1923	1924	1925
Vessel fishery:	*Number*	*Number*	*Number*	*Number*
Fishermen	1,811	1,945	1,639	2,338
Vessels	313	267	217	303
Tonnage	6,330	6,980	6,175	7,931
Shore fishery:				
Fishermen	3,109	3,454	4,551	5,055
Power boats	1,158	1,751	2,036	1,945
Rowboats	248	289	261	330

Comparative statistics of the yield of the fisheries of Washington, 1922 to 1925

Species	1922		1923		1924		1925	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Carp	375,160	$12,054	383,705	$11,511	379,258	$11,376	286,137	$8,584
Catfish			1,230	62				
Cod:								
Fresh	(1)	(1)	(1)	(1)			1,027	58
Dry salted	1,175,875	86,395	3,680,711	184,036	3,700,791	176,815	4,125,538	183,456
Flounders	85,211	2,454	195,600	4,092	188,273	3,778	260,665	6,678
Grayfish	6,359	22	59,400	85	97,005	247	41,549	86
Halibut	18,467,422	1,904,915	24,151,374	3,183,820	15,329,569	2,040,881	18,516,341	2,079,833
Herring	260,338	2,605	425,389	4,254	183,444	1,836	669,843	4,495
"Lingcod"	(1)	(1)	(1)	(1)	476,926	15,025	695,494	21,413
Rockfishes	[2] 361,082	[2] 9,234	[2] 579,259	[2] 17,097	295,187	10,715	442,500	17,321
Sablefish	1,021,700	42,866	2,226,480	112,074	1,894,527	103,394	2,442,400	167,123
Salmon:								
Blueback or sockeye	5,104,380	543,743	3,664,245	514,257	5,052,576	658,923	10,211,758	1,296,596
Chinook	10,969,802	946,422	13,217,424	1,374,204	24,697,911	2,086,769	23,756,404	2,291,041
Chum	6,319,808	137,190	8,791,085	190,158	12,219,145	253,973	11,492,502	261,319
Humpback	144,683	5,262	33,096,940	960,590	498,250	22,932	35,308,770	1,290,554
Silver	14,816,994	546,495	12,950,359	473,258	16,158,108	930,501	15,194,897	1,031,258
Shad	48,039	769	88,767	2,710	193,442	1,940	254,610	5,086
Skates	4,227	27	7,210	74	10,179	103	1,287	26
Smelt:								
Silver	238,414	19,946	267,356	19,512	457,506	45,750	225,664	20,317
Eulachon	1,154,002	11,542	911,195	9,111	983,353	9,835	1,249,264	18,841
"Sole"	130,886	3,931	119,904	3,637	266,377	7,986	231,191	10,229
Steelhead trout	475,687	34,075	1,400,973	100,902	1,143,453	66,439	1,718,786	113,399
Sturgeon	267,782	18,670	84,057	6,798	86,205	6,109	119,799	7,799
Surf fishes	50,927	2,616	53,743	2,224	43,896	2,194	80,456	5,755
Tomcod			784	13	424	4		
Other fish	1,660	143	89	4				
Total	61,480,438	4,331,376	106,357,279	7,174,483	84,355,805	6,457,525	127,326,882	8,841,267
SHELLFISH								
Crabs	1,172,092	59,221	1,153,665	57,683	1,145,587	66,578	952,345	65,080
Shrimp	62,000	7,439	34,657	4,504	38,012	5,702	35,761	5,363
Clams:								
Hard	92,433	11,424	79,825	17,276	203,412	26,479	221,585	36,299
Razor	949,086	106,905	381,268	47,659	524,205	72,842	892,887	123,992
Oysters:								
Eastern	45,332	34,668	44,954	38,235	36,022	23,362	10,332	9,608
Native	554,640	251,400	681,840	323,770	650,700	342,447	663,348	350,042
Japanese	35,336	27,131	9,800	7,000	15,680	9,997	28,000	16,000
Scallops					4,200	1,155	6,000	1,650
Octopus	20,225	640	52,377	1,573	104,534	3,137	105,570	6,423
Trepang or sea cucumbers							4,100	185
Total	2,931,144	498,828	2,438,386	497,700	2,722,352	551,699	2,919,928	614,642
WHALE PRODUCTS								
Sperm oil	260,625	12,163	347,250	18,500	67,875	3,620	86,625	4,620
Whale oil	1,762,500	94,000	1,375,500	91,500	1,471,875	98,125	142,125	11,370
Other whale products	1,130,000	30,180	744,000	18,510	606,000	12,488	210,000	4,550
Total	3,153,125	136,343	2,466,750	128,510	2,145,750	114,233	438,750	20,540
Grand total	67,564,707	4,966,547	111,262,415	7,800,693	89,223,907	7,123,457	130,685,560	9,476,449

[1] Included with rockfishes.

[2] Includes fresh cod and "lingcod."

Comparative statistics of the personnel and fishing craft employed in the fisheries of Oregon, 1922 to 1925

Items	1922	1923	1924	1925
Vessel fishery:	*Number*	*Number*	*Number*	*Number*
Fishermen	20	15	25	36
Vessels	4	3	6	8
Tonnage	48	44	68	80
Shore fishery:				
Fishermen	3,999	4,230	4,335	4,909
Power boats	1,718	2,042	2,178	2,224
Rowboats	501	233	283	539

Comparative statistics of the yield of the fisheries of Oregon, 1922 to 1925

Species	1922		1923		1924		1925	
FISH	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Carp							62,700	$1,881
Flounders			5,000	$150				
Halibut	239,095	$20,567	864,166	136,056	510,977	$81,373	577,742	75,713
Herring			93,750	1,876				
"Lingcod"	21,198	513	77,500	2,325	51,630	1,549	58,592	1,617
Rockfishes	2,270	88	62,510	1,875	39,223	1,172	31,296	858
Sablefish	57,108	2,528	250,000	12,500	161,348	8,067	347,592	17,271
Salmon:								
Blueback or sockeye	935,789	114,980	2,065,031	278,837	436,340	52,356	352,799	42,336
Chinook	12,650,132	757,546	17,360,898	2,430,544	19,605,761	2,352,669	21,420,267	2,357,695
Chum	128,385	1,413	1,136,268	13,126	2,998,456	29,986	2,338,345	34,082
Silver	4,378,922	125,428	6,716,662	335,430	10,278,835	411,154	10,246,525	625,360
Shad	578,003	11,332	403,859	6,072	983,422	10,561	1,016,776	31,381
Smelt, eulachon	217,350	2,174	277,195	2,771	226,800	2,268	308,676	4,352
"Sole"	25	[1]					2,243	112
Steelhead trout	1,820,734	136,802	2,855,543	200,181	3,604,558	197,053	2,307,062	169,410
Striped bass							6,000	600
Sturgeon	216,765	13,257	124,121	9,928	175,507	10,821	161,330	10,177
Surf fishes			15,000	750				
Tomcod			5,000	400				
Other fish	5,343	267						
Total	21,251,119	1,186,896	32,312,503	3,432,821	39,072,857	3,159,029	39,237,945	3,372,845
SHELLFISH								
Crabs	730,802	36,499	359,283	47,737	433,411	31,474	522,201	35,402
Crawfish	68,935	9,226	141,800	12,000	12,200	966	128,250	12,255
Clams:								
Razor	58,720	7,290	49,430	6,180	32,879	5,032	89,132	13,845
Soft	13,800	8,278	5,286	1,429	14,621	2,631	20,128	3,719
Hard					800	180		
Oysters, native	11,250	3,750	14,400	4,200	11,070	4,305	9,693	4,300
Octopus			71	4				
Total	883,507	65,043	570,270	71,550	504,981	44,588	769,404	69,521
Grand total	22,134,626	1,251,939	32,882,773	3,504,371	39,577,838	3,203,617	40,007,349	3,442,366

Comparative statistics of the personnel and fishing craft employed in the fisheries of California, 1922 to 1925

Items	1922	1923	1924	1925
	Number	*Number*	*Number*	*Number*
Vessel fishery:				
Fishermen	1,331	1,972	1,933	2,044
Vessels	209	285	337	362
Tonnage	3,887	4,071	5,821	5,350
Shore fishery:				
Fishermen	3,136	2,625	2,876	2,474
Power boats	1,297	1,307	1,513	1,255
Rowboats	292	135	132	150

Comparative statistics of the yield of the fisheries of California, 1918 to 1925

Species	1918	1919	1920	1921
FISH	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Albacore	7,265,422	13,630,899	18,876,647	15,276,727
Anchovies	867,851	1,609,548	569,774	1,946,881
Barracuda	4,837,594	5,824,957	8,201,335	7,625,162
Bonito	2,440,831	3,504,041	873,498	320,737
Carp	312,774	261,388	134,420	102,126
Catfish	204,876	164,856	112,365	148,116
Cod, dry-salted	4,713,018	2,086,200	2,473,800	805,383
Flounders	2,574,108	1,147,584	1,204,252	1,077,886
Grayfish	403,093	612,683	811,349	539,333
Hake	218,672	133,181	141,981	90,218
Halibut	[1]	[1]	[1]	[1]

[1] Included with halibut, "California."

Comparative statistics of the yield of the fisheries of California, 1918 to 1925—Con.

Species	1918	1919	1920	1921
FISH—continued	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Halibut, "California"	4,753,691	4,859,498	4,444,890	3,795,757
Hardhead	27,861	49,291	13,323	75,811
Herring	7,938,280	4,289,899	274,364	542,124
Kingfish	975,095	609,175	461,459	391,085
"Lingcod"	915,836	1,063,136	687,954	425,543
Mackerel	4,076,084	2,702,682	3,048,040	2,975,259
Mullet	91,402	9,199	17,603	28,955
Pilchard, or sardine	157,652,811	153,877,179	118,520,914	59,323,305
Pompano	24,260	61,424	30,357	16,703
Rock bass	783,864	460,229	210,380	363,856
Rockfishes	7,889,838	5,333,313	5,600,848	4,687,879
Sablefish	498,937	334,950	781,032	1,022,642
Salmon	13,026,076	13,145,553	11,133,819	7,990,932
Sculpin	28,404	25,432	35,674	58,380
Sea bass:				
Black	248,795	185,270	148,037	127,431
White	1,683,603	2,520,210	2,660,984	2,643,398
Shad	2,383,635	1,573,738	1,409,768	862,897
Sheepshead	22,978	17,972	14,567	23,925
Skates	246,231	252,776	88,931	60,164
Skipjack	3,023,847	6,897,484	7,957,427	1,138,993
Smelt	796,984	756,980	744,187	765,073
"Sole"	7,027,767	5,528,685	3,821,748	4,870,870
Steelhead trout	21,819	17,217	6,999	3,605
Striped bass	1,407,841	762,345	671,747	601,614
Surf fishes	198,167	191,341	181,131	242,774
Swordfish	18,442	18,252	12,513	14,803
Tomcod	48,536	31,310	37,237	41,779
Tuna:				
Bluefin		14,990,860	10,530,272	2,031,648
Yellowfin		348,081	1,965,024	1,237,616
Mixed	6,240,971	2,461,311	5,482,574	1,552,845
Whitebait	135,857	5,915	678	5,229
Whitefish		27,261	13,711	29,439
Yellowtail	11,798,205	5,005,265	2,704,937	2,490,796
Other fish	858,774	654,745	680,695	1,358,748
Total	258,683,130	258,033,315	217,793,245	129,734,447
SHELLFISH				
Crabs	1,618,992	1,305,024	1,220,568	800,952
Spiny lobsters	930,827	1,089,465	1,189,776	1,277,848
Shrimp	722,178	813,035	818,042	909,844
Clams:				
Cockle	5,991	3,304	2,407	1,934
Mixed	19,363	9,912	11,981	8,975
Pismo	166,421	104,379	74,754	54,877
Soft	52,174	50,429	38,854	36,100
Mussels	8,053	5,849	5,519	1,533
Oysters:				
Eastern	136,137	151,543	112,116	76,712
Native	5,892	13,793	8,961	1,014
Abalone	120,584	151,841	180,365	297,853
Octopus	32,739	21,492	70,740	56,266
Squid	361,714	3,698,242	508,219	432,559
Other shellfish	21,031	269,722	96,836	4,062
Total	4,202,096	7,688,030	4,339,138	3,960,529
WHALE PRODUCTS				
Sperm oil			13,125	9,375
Whale oil	22,500	3,120,000	4,425,000	1,561,065
Other whale products		1,500,000	2,390,000	696,000
Total	22,500	4,620,000	6,828,125	2,266,440
Grand total	262,907,726	270,341,345	228,960,508	135,961,416

Comparative statistics of the yield of the fisheries of California, 1918 to 1925—Con.

Species	1922	1923	1924	1925
FISH	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Albacore	13,231,823	12,514,833	17,695,362	22,206,923
Anchovies	652,516	307,074	346,951	123,919
Barracuda	6,250,218	7,200,575	7,128,523	8,005,601
Bonito	929,065	1,115,247	1,038,369	866,530
Carp	66,913	148,607	75,965	94,935
Catfish	125,679	129,286	351,960	366,279
Cod, dry-salted	1,680,000	1,398,000	2,884,028	3,415,608
Flounders	1,711,733	1,873,883	2,081,470	2,551,193
Grayfish	282,018	360,363	392,634	372,332
Hake	74,516	78,969	60,780	22,017
Halibut	(1)	(1)	132,637	162,102
Halibut, "California"	3,403,484	2,426,837	2,576,261	2,451,759
Hardhead	18,206	9,563	19,023	24,028
Herring	341,621	383,950	435,620	865,774
Kingfish	581,863	411,564	384,317	536,654
"Lingcod"	568,481	467,300	400,432	683,130
Mackerel	2,495,928	3,592,446	3,240,534	3,522,419
Mullet	30,946	74,225	61,971	36,807
Pilchard, or sardine	93,399,900	159,197,006	242,685,958	315,294,986
Pompano	16,422	32,918	17,579	10,536
Rock bass	316,051	357,269	466,208	330,285
Rockfishes	4,262,678	4,956,244	4,716,790	5,453,510
Sablefish	268,554	538,292	933,310	722,472
Salmon	7,235,124	7,090,260	10,015,269	9,525,753
Sculpin	42,121	60,466	109,070	226,456
Sea bass:				
Black	97,354	226,995	231,404	189,072
White	2,981,488	2,520,263	1,515,584	1,920,295
Shad	1,109,445	1,285,383	1,539,217	2,439,726
Sheepshead	18,205	31,628	24,267	48,811
Skates	121,210	133,988	131,137	183,484
Skipjack	11,862,382	11,462,522	3,780,971	14,235,089
Smelt	830,140	806,380	721,912	751,669
"Sole"	7,043,336	7,086,035	8,835,351	8,762,535
Steelhead trout	2,490	3,011	87,088	222
Striped bass	684,198	909,573	661,777	837,773
Surf fishes	237,634	326,049	288,969	268,473
Swordfish	23,256	11,691	31,833	27,045
Tomcod	32,114	41,767	42,524	14,508
Tuna:				
Bluefin	2,838,193	3,301,087	3,241,110	3,803,677
Yellowfin	7,337,405	10,836,925	3,063,398	13,237,898
Mixed	692,352	662,370	546,538	426,853
Whitebait	84,007	67,818	122,483	70,968
Whitefish	30,270	39,908	273,077	222,112
Yellowtail	3,414,423	3,979,611	4,714,149	3,179,891
Other fish	279,651	236,984	376,640	252,852
Total	177,705,413	248,689,165	328,480,450	428,744,961
SHELLFISH				
Crabs	860,328	1,075,800	1,506,816	3,234,312
Spiny lobsters	1,016,776	1,092,858	1,027,312	1,486,406
Shrimp	990,349	1,113,358	1,551,086	1,460,234
Clams:				
Cockle	4,208	4,815	845	399
Mixed	5,294	3,877	7,407	9,276
Pismo	48,373	59,487	73,287	80,811
Soft	57,210	47,183	40,554	44,009
Mussels	7,312	10,004	8,204	4,324
Oysters:				
Eastern	74,325	68,810	52,678	56,900
Native				25
Abalone	312,087	317,547	449,362	470,732
Octopus	98,588	110,222	166,291	133,449
Squid	209,641	1,180,446	6,831,029	1,891,220
Other shellfish	12,696	1,270	363	21
Total	3,697,187	5,085,677	11,715,234	8,872,118
WHALE PRODUCTS				
Sperm oil	37,875	15,585		48,870
Whale oil	6,862,500	4,644,293	2,932,088	1,525,733
Other whale products	3,136,000	2,370,000	1,767,500	1,108,833
Total	10,036,375	7,029,878	4,699,588	2,683,436
Grand total	191,438,975	260,804,720	344,895,272	440,300,415

Comparative statistics of the value of the yield of the fisheries of California, 1923 to 1925

Species	1923	1924	1925
FISH			
Albacore	$1,627,193	$1,828,812	$2,333,600
Anchovies	19,292	1,984	1,232
Barracuda	575,285	257,022	340,341
Bonito	47,310	29,130	25,983
Carp	2,972	1,554	1,928
Catfish	23,271	51,977	54,942
Cod, dry salted	69,900	190,041	237,724
Flounders	70,018	59,290	71,469
Grayfish	1,802	11,982	3,723
Hake	789	1,519	441
Halibut	(1)	15,916	21,579
Halibut, "California"	392,749	348,759	334,136
Hardhead	96	761	961
Herring	3,994	8,602	17,315
Kingfish	10,301	8,892	12,868
"Lingcod"	23,366	24,026	40,975
Mackerel	144,082	86,834	97,754
Mullet	8,065	3,343	2,619
Pilchard or sardine	704,280	2,079,727	2,087,756
Pompano	13,298	7,855	4,808
Rock bass	30,301	38,876	28,543
Rockfishes	250,314	211,344	266,069
Sablefish	32,297	34,540	26,118
Salmon	638,122	1,025,838	919,720
Sculpin	6,046	10,213	22,419
Sea bass:			
Black	22,168	4,163	3,602
White	224,869	185,086	252,144
Shad	58,088	74,553	105,118
Sheepshead	639	493	1,058
Skates	717	1,937	3,625
Skipjack	298,085	179,210	751,609
Smelt, silver	24,149	40,651	40,953
"Sole"	286,631	307,809	331,391
Steelhead trout	459	7,402	31
Striped bass	90,957	87,493	116,028
Surf fishes	17,664	13,767	13,126
Swordfish	1,468	3,610	3,851
Tomcod	3,341	978	363
Tuna:			
Bluefin	165,885	291,306	342,140
Yellowfin	600,412	244,389	1,066,421
Mixed	35,471	48,577	38,430
Whitebait	1,356	2,449	3,903
Whitefish	2,089	14,391	12,034
Yellowtail	217,050	375,156	272,717
Other fish	9,758	18,658	11,495
Total	6,756,362	8,240,945	10,325,062
SHELLFISH			
Crabs	148,459	126,616	269,526
Sea crawfish or spiny lobster	225,656	199,650	289,785
Shrimp	66,801	155,109	146,023
Clams:			
Cockle	3,973	571	299
Mixed	2,076	3,333	6,182
Pismo	16,656	35,178	40,406
Soft	11,323	15,816	27,856
Mussels	3,002	1,119	631
Oysters:			
Eastern	24,084	22,576	24,386
Native			8
Abalone	60,367	249,646	261,507
Octopus	11,022	6,570	12,027
Squid	7,680	409,350	119,167
Turtles	77	28	1
Total	581,176	1,225,562	1,197,804
WHALE PRODUCTS			
Sperm oil	1,282		2,281
Whale oil	316,450	216,350	111,887
Other whale products	81,796	42,283	24,675
Total	399,528	258,633	138,843
Grand total	7,737,066	9,725,140	11,661,709

[1] Included with halibut, "California."

Comparative statistics of the yield of the fisheries off the California coast, 1918 to 1925

Species	1918	1919	1920	1921
FISH	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Albacore	7,263,895	13,553,025	18,876,647	15,274,528
Anchovies	867,851	1,609,548	569,774	1,946,881
Barracuda	3,885,691	4,038,852	4,585,388	4,588,900
Bonito	2,264,164	2,903,688	672,243	237,859
Carp	312,774	261,388	134,420	102,126
Catfish	204,876	164,856	112,365	148,116
Cod, salted	4,713,018	2,086,200	2,473,800	805,383
Flounders	2,574,108	1,147,584	1,204,252	1,077,113
Grayfish	400,478	612,683	798,721	539,333
Hake	218,672	133,181	141,981	90,218
Halibut	(1)	(1)	(1)	(1)
Halibut, "California"	2,837,987	2,523,895	2,767,351	2,482,324
Hardhead	27,861	49,291	13,323	75,811
Herring	7,938,280	4,289,899	274,364	542,124
Kingfish	975,095	608,561	461,411	389,390
"Lingcod"	915,836	1,063,136	687,954	425,543
Mackerel	4,005,906	2,654,596	2,997,308	2,914,613
Mullet	89,657	7,539	17,513	17,140
Pilchard or sardine	157,652,811	153,877,179	118,517,729	59,323,305
Pompano	24,260	61,424	30,126	16,333
Rock bass	776,645	442,555	207,075	355,702
Rockfishes	7,876,926	5,265,664	5,503,187	4,641,156
Sablefish	498,937	334,950	781,032	1,022,642
Salmon	13,026,076	13,145,553	11,133,819	7,990,932
Sculpin	28,404	25,432	35,674	58,068
Sea bass:				
Black	210,432	126,997	89,869	87,196
White	1,528,750	2,445,556	2,408,522	2,143,323
Shad	2,383,635	1,573,738	1,409,768	862,897
Sheepshead	22,488	17,972	14,402	23,925
Skates	246,231	252,776	88,931	60,164
Skipjack	3,023,847	6,885,369	7,942,338	1,138,853
Smelt	788,923	751,870	730,475	755,738
"Sole"	7,027,767	5,528,685	3,821,023	4,870,158
Steelhead trout	21,819	17,217	6,999	3,605
Striped bass	1,407,841	762,345	671,747	601,614
Surf fishes	198,167	191,341	181,131	242,774
Swordfish	18,442	18,252	12,240	14,803
Tomcod	48,536	31,310	37,237	41,779
Tuna:				
Bluefin		14,990,860	10,530,272	1,971,813
Yellowfin		348,081	1,477,905	1,200,600
Mixed	6,240,971	2,194,584	5,245,412	1,384,739
Whitebait	135,857	5,915	678	5,229
Whitefish		27,191	8,859	28,639
Yellowtail	11,658,259	4,871,763	2,486,537	2,139,626
Other fish	588,886	636,943	649,940	1,345,561
Total	254,931,059	252,539,444	210,811,742	123,988,576
SHELLFISH				
Crabs	1,618,992	1,305,024	1,220,568	800,952
Spiny lobsters	195,750	256,894	247,156	334,271
Shrimp	722,178	747,130	818,042	909,844
Clams:				
Cockle	5,991	3,304	2,407	1,934
Mixed	19,363	9,912	8,148	8,975
Pismo	166,421	104,379	74,754	54,877
Soft	52,174	50,429	38,854	36,109
Mussels	8,053	5,849	5,519	1,533
Oysters:				
Eastern	136,137	151,543	112,116	76,712
Native	5,892	13,793	8,961	1,014
Abalone	120,584	151,841	161,343	296,234
Octopus	32,739	21,492	70,740	56,266
Squid	361,714	3,698,242	508,219	432,559
Other shellfish	20,196	14,483	19,918	1,787
Total	3,466,184	6,534,315	3,296,745	3,013,098
WHALE PRODUCTS				
Sperm oil			13,125	9,375
Whale oil	22,500	3,120,000	4,425,000	1,561,065
Other whale products		1,500,000	2,390,000	696,000
Total	22,500	4,620,000	6,828,125	2,266,440
Grand total	258,419,743	263,693,759	220,936,612	129,278,114

[1] Included with halibut, "California."

Comparative statistics of the yield of the fisheries off the California coast, 1918 to 1925—Continued

Species	1922	1923	1924	1925
FISH	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Albacore	13, 231, 823	12, 488, 199	17, 280, 346	21, 684, 942
Anchovies	652, 516	307, 074	346, 951	123, 919
Barracuda	4, 721, 448	5, 135, 824	4, 733, 779	5, 945, 605
Bonito	883, 143	478, 771	836, 182	770, 232
Carp	66, 913	148, 607	75, 965	94, 935
Catfish	125, 679	129, 286	351, 960	366, 279
Cod, salted	1, 680, 000	1, 398, 000	2, 884, 028	3, 415, 608
Flounders	1, 711, 193	1, 873, 708	2, 081, 196	2, 551, 193
Grayfish	282, 018	360, 363	392, 634	372, 332
Hake	74, 516	78, 969	60, 780	22, 017
Halibut	(1)	(1)	132, 637	162, 102
Halibut, "California"	2, 586, 945	1, 544, 699	1, 527, 778	1, 351, 456
Hardhead	18, 206	9, 563	19, 023	24, 028
Herring	341, 621	383, 950	435, 620	862, 974
Kingfish	581, 698	403, 435	383, 927	536, 604
"Lingcod"	568, 481	467, 300	400, 432	683, 130
Mackerel	2, 466, 762	3, 553, 951	3, 227, 300	3, 506, 103
Mullet	24, 364	10, 007	24, 496	21, 651
Pilchard or sardine	93, 399, 900	159, 197, 006	242, 685, 958	315, 294, 986
Pompano	16, 050	19, 780	13, 059	9, 111
Rock bass	311, 362	328, 039	380, 620	310, 061
Rockfishes	4, 238, 480	4, 932, 350	4, 684, 065	5, 449, 694
Sablefish	268, 554	538, 292	933, 310	722, 472
Salmon	7, 235, 124	7, 090, 260	10, 015, 269	9, 525, 753
Sculpin	41, 940	60, 466	109, 070	226, 456
Sea bass:				
Black	83, 692	75, 740	88, 677	102, 904
White	2, 245, 268	1, 928, 386	964, 755	925, 623
Shad	1, 109, 445	1, 285, 383	1, 539, 217	2, 439, 726
Sheepshead	18, 183	31, 111	23, 427	47, 748
Skates	121, 210	133, 988	131, 137	183, 484
Skipjack	10, 115, 712	4, 579, 077	1, 356, 426	8, 768, 114
Smelt	822, 928	798, 840	715, 280	749, 798
"Sole"	7, 043, 111	7, 085, 085	8, 828, 380	8, 756, 338
Steelhead trout	2, 490	3, 011	87, 088	222
Striped bass	684, 198	909, 573	661, 777	837, 773
Surf fishes	237, 634	326, 049	288, 969	268, 473
Swordfish	23, 256	11, 056	31, 833	25, 612
Tomcod	32, 114	41, 767	42, 524	14, 508
Tuna:				
Bluefin	2, 811, 283	3, 218, 090	3, 241, 110	3, 803, 677
Yellowfin	1, 205, 023	428, 896	680, 759	2, 963, 620
Mixed	671, 890	427, 166	485, 401	385, 463
Whitebait	84, 007	67, 818	122, 483	70, 968
Whitefish	27, 779	34, 503	250, 663	219, 430
Yellowtail	3, 111, 131	2, 968, 596	2, 863, 012	2, 586, 621
Other fish	270, 509	189, 520	349, 798	233, 929
Total	166, 249, 599	225, 481, 554	316, 769, 101	407, 417, 674
SHELLFISH				
Crabs	860, 328	1, 075, 800	1, 506, 816	3, 234, 312
Spiny lobsters	376, 310	384, 381	294, 356	432, 059
Shrimp	990, 349	1, 113, 358	1, 551, 086	1, 460, 234
Clams:				
Cockle	4, 208	4, 815	845	399
Mixed	5, 294	3, 757	7, 407	9, 265
Pismo	48, 317	59, 487	73, 287	80, 811
Soft	57, 210	47, 183	40, 554	44, 009
Mussels	7, 312	10, 004	8, 204	4, 324
Oysters:				
Eastern	74, 325	68, 810	52, 678	56, 900
Native				25
Abalone	304, 679	311, 027	448, 362	470, 572
Octopus	98, 588	110, 222	166, 291	133, 394
Squid	209, 641	1, 176, 065	6, 831, 029	1, 891, 220
Other shellfish	175	1, 128	363	
Total	3, 036, 736	4, 366, 037	10, 981, 278	7, 817, 524
WHALE PRODUCTS				
Sperm oil	37, 875	15, 585		48, 870
Whale oil	6, 862, 500	4, 644, 293	2, 932, 088	1, 525, 733
Other whale products	3, 136, 000	2, 370, 000	1, 767, 500	1, 108, 833
Total	10, 036, 375	7, 029, 878	4, 699, 588	2, 683, 436
Grand total	179, 322, 710	236, 877, 469	332, 449, 967	417, 918, 634

[1] Included with halibut, "California."

Comparative statistics of the yield of the fisheries prosecuted by California fishermen in waters off the coast of Mexico, 1918 to 1925

Species	1918	1919	1920	1921	1922	1923	1924	1925
FISH	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*	*Pounds*
Albacore	1,527	77,874		2,199		26,634	415,016	521,981
Barracuda	951,903	1,786,105	3,615,947	3,036,262	1,528,770	2,064,751	2,394,744	2,059,996
Bonito	176,667	600,353	201,255	82,878	45,922	636,476	202,187	96,298
Flounders				773	540	175	274	
Grayfish	2,615		12,628					
Halibut, "California"	1,915,704	2,335,603	1,677,539	1,313,433	816,539	882,138	1,048,483	1,100,303
Herring								2,800
Kingfish		614	48	1,695	165	8,129	390	50
Mackerel	70,178	48,086	50,732	60,646	29,166	38,495	13,234	16,316
Mullet	1,745	1,660	90	11,815	6,582	64,218	37,475	15,156
Pilchard or sardine			3,185					
Pompano			231	370	372	13,138	4,520	1,425
Rock bass	7,219	7,674	3,305	8,154	4,689	29,230	85,588	20,224
Rockfishes	12,912	67,649	97,661	46,723	24,198	17,894	32,725	3,816
Sculpin				312	181			
Sea bass:								
Black	38,363	58,273	58,168	40,235	13,662	151,255	142,727	86,168
White	154,853	74,654	252,462	500,075	736,220	591,877	550,829	994,672
Sheepshead	490		165		22	517	840	1,063
Skipjack		12,115	15,089	140	1,746,670	6,883,445	2,424,545	5,466,975
Smelt	8,061	5,110	13,712	9,335	7,212	7,540	6,632	1,871
"Sole"			725	712	225	950	6,971	6,197
Swordfish			273			635		1,433
Tuna:								
Bluefin				59,835	26,910	82,997		
Yellowfin			487,119	37,016	6,132,382	10,408,029	2,382,639	10,274,278
Mixed		266,727	237,162	168,106	20,462	235,204	61,137	41,390
Whitefish		70	4,852	800	2,491	5,405	22,414	2,682
Yellowtail	139,946	133,502	218,400	351,170	303,292	1,011,015	1,851,137	593,270
Other fish	269,888	17,802	30,755	13,187	9,142	47,464	26,842	18,923
Total	3,752,071	5,493,871	6,981,503	5,745,871	11,455,814	23,207,611	11,711,349	21,327,287
SHELLFISH								
Sea crawfish or spiny lobster	735,077	832,571	942,620	943,577	640,466	708,477	732,956	1,054,347
Abalone		13,181	19,022	1,619	7,408	6,520	1,000	160
Clams:								
Mixed			3,833			120		11
Pismo					56			
Octopus								55
Squid						4,381		
Other shellfish	835	255,239	76,918	2,275	12,521	142		21
Total	735,912	1,100,991	1,042,393	947,471	660,451	719,640	733,956	1,054,594
Grand total	4,487,983	6,594,862	8,023,896	6,693,342	12,116,265	23,927,251	12,445,305	22,381,881

FISHERIES OF MARYLAND AND VIRGINIA, 1925

The statistics contained in this report are based on the regular canvass of the fisheries of Maryland and Virginia for the calendar year 1925.[7] The statistics of the oyster industry, however, represent the oyster season of 1924–25. This report also includes comparative statistics of the production of shad, alewives, crabs, and oysters in the two States for various years from 1880 to 1925. Statistics of the shad and alewife fisheries of the Potomac River for 1926 (following the practice of making an annual canvass of these fisheries, beginning with 1919) and comparative statistics of the production of shad for various years from 1896 to 1926 and of alewives for various years from 1909 to 1926 are given on page 394.

[7] The canvass was made by Winthrop A. Roberts, Rob Leon Greer, R. N. Burrows, W. A. Galloway, and C. E. Brandon.

EARLIER PUBLICATIONS

Some of the earlier publications relating to the fisheries of Maryland and Virginia, and published in Washington, D. C., follow:

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Virginia and its fisheries. By Marshall McDonald. *Ibid.*, Sec. II, Pt. XI, pp. 449–473.
History and methods of the fisheries. *Ibid.*, Sec. V, Vol. I, xi+808 pp., and Vol. II, xx+881 pp. and atlas of 275 pls.
1892. IV. Fisheries of the Middle Atlantic States (1887 and 1888). *In* Statistical review of the coast fisheries of the United States, prepared under the direction of J. W. Collins. Report, U. S. Commissioner of Fish and Fisheries, 1888 (1892), pp. 323–351.
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1895. A statistical report on the fisheries of the Middle Atlantic States. By Hugh M. Smith. Bulletin, U. S. Fish Commission, Vol. XIV, 1894 (1895), pp. 339–467.
1899. The shad fisheries of the Atlantic coast of the United States. By Charles H. Stevenson. Appendix, Report of the U. S. Commissioner of Fish and Fisheries for 1898 (1899), pp. 101–269.
Notes on the extent and condition of the alewife fisheries of the United States in 1896. By Hugh M. Smith. *Ibid.*, pp. 31–43.
1901. Statistics of the fisheries of the Middle Atlantic States (1897). By C. H. Townsend. Appendix, Report, U. S. Commissioner of Fish and Fisheries for 1900 (1901), pp. 195–310.
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COMMON AND SCIENTIFIC NAMES OF FISHES

Following is a list of the common and scientific names of the fishes of Maryland and Virginia included in this report:

Alewives	*Pomolobus æstivalis.* / *Pomolobus pseudoharengus.*
Angelfish	*Chætodipterus faber.*

Black bass	*Micropterus salmoides.*
	Micropterus dolomieu.
Bluefish	*Pomatomus saltatrix.*
Bonito	*Sarda sarda.*
Bowfin	*Amiatus calvus.*
Butterfish	*Poronotus triacanthus.*
Carp	*Cyprinus carpio.*
Catfish	Siluridæ (species).
Cobia or coalfish	*Rachycentron canadum.*
Cod	*Gadus callarias.*
Crevalle (including blue runner)	Caranx (species).
Croaker	*Micropogon undulatus.*
Drum, black	*Pogonias cromis.*
Drum, red, or redfish	*Sciænops ocellatus.*
Eels	*Anguilla rostrata.*
Flounders	*Paralichthys dentatus.*
	Pleuronectidæ (species).
Gizzard shad	*Dorosoma cepedianum.*
Goldfish	*Carassius auratus*
Haddock	*Melanogrammus æglifinus.*
Hake	Urophycis (species).
Harvestfish	*Peprilus alepidotus.*
Hickory shad	*Pomolobus mediocris.*
Hog-choker	*Achirus fasciatus.*
King whiting	Menticirrhus (species).
Mackerel	*Scomber scombrus.*
Menhaden	*Brevoortia tyrannus.*
Mullet	*Mugil cephalus.*
	Mugil curema.
Pigfish	*Orthopristis chrysopterus.*
Pike	Esox (species).
Pinfish	*Lagodon rhomboides.*
Pompano	Trachinotus (species).
Scup or porgy	*Stenotomus chrysops.*
Sea bass	*Centropristes striatus.*
Sea robin	Prionotus (species).
Shad	*Alosa sapidissima.*
Sharks	Selachii (species).
Sheepshead	*Archosargus probatocephalus.*
Skates	Batoidei (species).
Spanish mackerel	*Scomberomorus maculatus.*
Spot	*Leiostomus xanthurus.*
Squeteagues or "sea trout"	*Cynoscion regalis.*
	Cynoscion nebulosus.
Striped bass	*Roccus lineatus.*
Sturgeon	*Acipenser sturio.*
Suckers	Catostomidæ (species).
Sunfish	Centrarchidæ (species).
Swellfish	*Tetraodon maculatus.*
Tautog	*Tautoga onitis.*
Thimble-eyed mackerel	*Scomber colias.*
Tomcod	*Microgadus tomcod.*
Tripletail	*Lobotes surinamensis.*
White perch	*Morone americana.*
Whiting	*Merluccius bilinearis.*
Yellow perch	*Perca flavescens.*
Crabs	*Callinectes sapidus.*
Crawfish	Cambarus (species).
Shrimp	*Crangon vulgaris.*
Squid	*Loligo pealei.*
Clams, hard	*Venus mercenaria.*
Oysters	*Ostrea elongata.*
Scallops	*Pecten irradians.*
Terrapin	Malaclemmys (species).

GENERAL STATISTICS

The fisheries and fishery industries of Maryland and Virginia in 1925 gave employment to 39,091 persons, of whom 25,856 were engaged in fishing operations, 9,671 in the wholesale fishery trade, and 3,564 in the canning, salting, smoking, and by-products industries. The investment amounted to $19,322,844, of which amount $10,635,397 were invested in vessels, boats, fishing apparatus, and shore and accessory property used by the fishermen, $4,259,205 in property and cash capital in the wholesale fishery trade, and $4,428,242 in property and cash capital in the canning, salting, smoking, and by-products industries. The products of the fisheries of these two States amounted to 333,205,769 pounds, valued at $13,948,060. The products of the canning and other fishery industries had a value of $4,936,664.

Compared with 1920, there was a decrease of 1,670, or about 5 per cent, in the number of persons engaged; an increase of $1,046,911, or 5.73 per cent, in the investment; and a decrease of 197,544,115 pounds, or 37.22 per cent, in the quantity, with an increase of $1,207,668, or 9.48 per cent, in the value of the products of the fisheries. The decrease in quantity of products was due largely to a smaller catch of menhaden in Virginia. The output of the canning and other fishery industries showed a decrease of $1,388,621, or 21.95 per cent, in value.

The following tables contain condensed statistics of the fisheries and fishery industries of Maryland and Virginia for 1925 and comparative statistics of the products of the fisheries and of shad, alewives, crabs, and oysters for various years from 1880 to 1925.

Fisheries of Maryland and Virginia, 1925

Items	Maryland		Virginia		Total	
PERSONS ENGAGED	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
On vessels fishing	1,795		2,005		3,800	
On vessels transporting	518		467		985	
In shore or boat fisheries	9,320		11,673		20,993	
Shoresmen	47		31		78	
Total	11,680		14,176		25,856	
INVESTMENT						
Vessels, fishing, steam			44	$2,219,912	44	$2,219,912
Tonnage			5,010		5,010	
Outfit				237,643		237,643
Vessels, fishing, motor	37	$45,900	97	501,125	134	547,025
Tonnage	303		1,004		1,307	
Outfit		12,825		74,207		87,032
Vessels, fishing, sail	354	499,850	42	41,450	396	541,300
Tonnage	4,120		403		4,523	
Outfit		138,605		12,500		151,105
Accessory motor boats			126	34,600	126	34,600
Vessels, transporting, steam			1	51,875	1	51,875
Tonnage			76		76	
Outfit				1,204		1,204
Vessels, transporting, motor	168	464,250	265	471,900	433	936,150
Tonnage	2,483		2,697		5,180	
Outfit		68,925		63,750		132,675
Vessels, trasporting, sail	74	195,650	15	26,850	89	222,500
Tonnage	2,520		387		2,907	
Outfit		19,835		2,475		22,310
Boats, motor	4,135	1,144,589	4,053	1,264,085	8,188	2,408,674
Boats, sail, row, etc	3,271	166,422	5,436	198,530	8,707	364,952

Fisheries of Maryland and Virginia, 1925—Continued

Items	Maryland		Virginia		Total	
INVESTMENT—continued						
Apparatus, vessel fisheries:	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
Purse seines	9	$4,400	42	$78,200	51	$82,600
Otter trawls	1	100	8	1,150	9	1,250
Crab dredges			109	4,210	109	4,210
Oyster dredges	1,506	32,482	192	5,390	1,698	37,872
Scallop dredges			8	24	8	24
Crab scrapes	12	75			12	75
Tongs	14	99	17	116	31	215
Clam picks or hoes			32	17	32	17
Apparatus, shore fisheries:						
Haul seines	192	29,410	226	43,755	418	73,165
Purse seines	3	800	2	200	5	1,000
Gill nets	4,578	86,654	17,815	75,327	22,393	161,981
Pound nets	985	268,040	2,727	1,304,140	3,712	1,572,180
Fyke nets	2,947	26,665	1,184	26,447	4,131	53,112
Stop nets	1	300	8	1,870	9	2,170
Dip nets	1,159	1,030	759	666	1,918	1,696
Otter trawls	1	35	1	75	2	110
Minor nets	6	31			6	31
Lines, hand and trot		11,868		14,663		26,531
Slat traps or baskets			54	710	54	710
Pots, eel, etc	7,864	8,260	2,289	3,160	10,153	11,420
Spears	2	3	31	50	33	53
Crab scrapes	936	4,936	455	1,837	1,391	6,773
Crab dredges			11	320	11	320
Oyster dredges	484	6,870	260	3,905	744	10,775
Scallop dredges			677	2,058	677	2,058
Tongs, nippers, rakes, and forks	7,043	58,707	5,663	38,705	12,706	97,412
Clam picks or hoes			586	295	586	295
Shore and accessory property		133,975		394,410		528,385
Total		3,431,591		7,203,806		10,635,397
PRODUCTS						
Alewives:	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Fresh	7,480,114	$78,502	17,886,647	$208,953	25,366,761	$287,455
Salted	200,400	4,582	23,600	770	224,000	5,352
Smoked	20,400	1,200			20,400	1,200
Anglefish			4,050	225	4,050	225
Black bass	35,609	6,760	57,418	7,734	93,027	14,494
Bluefish	57,743	7,803	157,258	18,858	215,001	26,661
Bonito	16,300	925	288,110	15,891	304,410	16,816
Bowfin			24,775	753	24,775	753
Butterfish	276,575	15,694	5,836,357	252,298	6,112,932	267,992
Carp	198,353	16,698	462,419	30,997	660,772	47,695
Catfish	474,719	26,005	534,330	32,057	1,009,049	58,062
Cobia or coalfish			3,260	265	3,260	265
Cod			17,000	406	17,000	406
Crevalle			701,445	25,376	701,445	25,376
Croaker	2,602,861	63,326	22,649,295	648,090	25,252,156	711,416
Drum:						
Black	25,150	472	228,180	3,529	253,330	4,001
Red, or redfish	4,160	107	125,390	2,243	129,550	2,350
Eels:						
Fresh	197,862	23,423	181,948	21,900	379,810	45,323
Salted	67,200	8,064			67,200	8,064
Flounders	118,078	7,704	581,817	37,902	699,895	45,606
Gizzard shad	31,025	973	350,283	8,785	381,308	9,758
Goldfish	400	20	2,600	129	3,000	149
Haddock			2,000	80	2,000	80
Hake			11,800	232	11,800	232
Harvest fish	3,700	428	42,325	1,488	46,025	1,916
Hickory shad	20,561	1,132	235,127	11,034	255,688	12,166
Hog-chokers, salted	23,525	1,379			23,525	1,379
King whiting	3,600	424	122,838	8,919	126,438	9,343
Mackerel	9,460	980	11,840	1,234	21,300	2,214
Menhaden	7,000	25	150,485,623	1,434,681	150,492,623	1,434,706
Mullet	14,509	999	122,072	8,161	136,581	9,160
Pigfish	1,000	34	140,799	7,558	141,799	7,592
Pike	71,691	16,456	17,855	2,983	89,546	19,439
Pinfish			1,400	130	1,400	130
Pompano	250	70	4,584	1,003	4,834	1,073
Scup or porgy	45,000	3,100	402,274	27,928	447,274	31,028
Sea bass	54,700	3,788	51,340	4,568	106,040	8,356
Sea robin			50,000	71	50,000	71
Shad	1,260,152	264,388	6,103,704	1,372,491	7,363,856	1,636,879
Sharks			17,154	1,021	17,154	1,021
Sheepshead			122	17	122	17

Fisheries of Maryland and Virginia, 1925—Continued

Items	Maryland		Virginia		Total	
PRODUCTS—continued	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Skates			23,600	$148	23,600	$148
Spanish mackeral	290	$65	127,445	16,679	127,735	16,744
Spot	208,377	11,485	1,768,206	88,090	1,976,583	99,575
Squeteagues or "sea trout"	1,480,209	88,733	12,444,450	579,563	13,924,659	668,296
Striped bass	1,413,999	240,388	821,309	151,027	2,235,308	391,415
Sturgeon	19,225	4,321	65,977	16,167	85,202	20,488
Sturgeon cavair and roe	2,500	2,500	5,353	5,752	7,853	8,252
Suckers	3,775	155	4,113	250	7,888	405
Sunfish	7,733	322	400	20	8,133	342
Swellfish			35,000	49	35,000	49
Tautog	400	24	2,870	225	3,270	249
Thimble-eyed mackeral	5,000	100	13,700	428	18,700	528
Tomcod	800	25	17,400	420	18,200	445
Tripletail			25	4	25	4
White perch	629,485	59,278	427,275	35,230	1,056,760	94,508
Whiting	80,000	800	33,600	716	113,600	1,516
Yellow perch	231,861	25,379	79,687	7,338	311,548	32,717
Other fish	4,720	70	970	65	5,690	135
Crabs:						
Hard	[1] 7,321,116	303,507	[2] 18,531,994	523,733	[3] 25,853,110	827,240
Soft	[4] 2,325,245	264,276	[5] 1,422,250	157,981	[6] 3,747,495	422,257
Crawfish	400	40			400	40
Shrimp	550	275			550	275
Squid	38,000	2,440	415,825	23,607	453,825	26,047
Clams, hard:						
Public	[7] 109,720	46,450	[8] 1,048,544	400,908	[9] 1,158,264	447,358
Private			[10] 32,008	21,426	[10] 32,008	21,426
Oysters, market:						
Public	[11] 28,650,678	3,102,960	[12] 9,546,327	1,036,500	[13] 38,197,005	4,139,460
Private	[14] 1,106,042	152,547	[15] 11,013,366	1,367,761	[16] 12,119,408	1,520,308
Oysters, seed:						
Public	[17] 13,300	765	[18] 9,855,769	358,555	[19] 9,869,069	359,320
Private			[20] 79,450	2,518	[20] 79,450	2,518
Scallops			[21] 360,732	74,272	[21] 360,732	74,272
Terrapin	1,430	1,000	8,400	4,400	9,830	5,400
Turtles	1,033	53	2,700	49	3,733	102
Alewife scales			100,000	10,000	100,000	10,000
Total	56,977,985	4,863,419	276,227,784	9,084,641	333,205,769	13,948,060

[1] 21,963,348 in number.
[2] 55,595,982 in number.
[3] 77,559,330 in number.
[4] 6,975,735 in number.
[5] 4,266,750 in number.
[6] 11,242,485 in number.
[7] 13,715 bushels.
[8] 131,068 bushels.
[9] 144,783 bushels.
[10] 4,001 bushels.
[11] 4,092,954 bushels.
[12] 1,363,761 bushels.
[13] 5,456,715 bushels.
[14] 158,006 bushels.
[15] 1,573,338 bushels.
[16] 1,731,344 bushels.
[17] 1,900 bushels.
[18] 1,407,967 bushels.
[19] 1,409,867 bushels.
[20] 11,350 bushels.
[21] 60,122 bushels.

Fishery industries of Maryland and Virginia, 1925

Items	Canning, salting, smoking, and by-products industries					
	Maryland		Virginia		Total	
	Number	*Value*	*Number*	*Value*	*Number*	*Value*
Establishments	36	$1,087,203	50	$2,093,239	86	$3,180,442
Persons engaged	1,733		1,831		3,564	
Wages paid		374,613		551,924		926,537
Cash capital		607,900		639,900		1,247,800
Products		1,741,765		3,194,899		4,936,664

Products of the fisheries of Maryland and Virginia for various years from 1880 to 1925

Years	Maryland		Virginia		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1880	95,712,570	$5,221,715	158,874,609	$3,124,444	254,587,179	$8,346,159
1887	107,981,976	3,514,182	97,635,402	1,606,811	205,617,378	5,120,993
1888	114,788,113	3,813,199	101,318,814	1,836,155	216,106,927	5,649,354
1890	143,905,576	6,019,165	185,282,705	3,636,351	329,188,281	9,655,516
1891	141,177,827	6,460,759	183,993,834	3,647,845	325,171,661	10,108,604
1897	88,588,018	3,617,306	277,993,949	3,179,498	366,581,967	6,796,804
1901	82,975,245	3,767,461	378,183,358	4,613,384	461,158,603	8,380,845
1904	81,128,866	3,336,560	355,315,798	5,584,354	436,444,664	8,920,914
1908	113,796,000	3,306,000	312,515,000	4,716,000	426,311,000	8,022,000
1920	59,530,795	4,198,668	471,219,089	8,541,724	530,749,884	12,740,392
1925	56,977,985	4,863,419	276,227,784	9,084,641	333,205,769	13,948,060

NOTE.—The statistics for 1908 in this table are from data published by the Bureau of the Census.

Comparative statistics of the crab product of Maryland and Virginia, various years, 1880 to 1925

Years	Maryland					
	Crabs, hard		Crabs, soft		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1880	1,166,667	$46,850	(1)	(1)		
1887	2,757,638	36,969	1,636,530	$133,788	4,394,168	$170,757
1888	2,674,675	37,438	2,208,829	161,331	4,883,504	198,769
1890	2,388,099	31,723	4,056,110	228,690	6,444,209	260,413
1891	2,776,898	37,460	4,828,872	266,256	7,605,770	303,716
1897	5,333,316	39,949	4,115,879	177,637	9,449,195	217,586
1901	9,824,793	85,884	4,303,582	202,563	14,128,375	288,447
1904	12,665,282	168,996	5,732,865	189,851	18,398,147	358,847
1908	12,786,000	124,000	7,587,000	195,000	20,373,000	319,000
1915	22,491,675	335,375	7,602,207	329,276	30,093,882	664,651
1920	5,165,703	248,160	3,897,271	494,784	9,062,974	742,944
1925	7,321,116	303,507	2,325,245	264,276	9,646,361	567,783

Years	Virginia						Grand total	
	Crabs, hard		Crabs, soft		Total			
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1880	2,139,200	$32,088	(1)	(1)				
1887	626,820	15,479	(1)	(1)				
1888	956,843	24,669	(1)	(1)				
1890	2,584,794	28,210	440,310	$26,054	3,025,104	$54,264	9,469,313	$314,677
1891	2,208,071	32,683	585,956	29,379	2,794,027	62,062	10,399,797	365,778
1897	5,331,398	28,331	1,068,116	39,914	6,399,514	68,245	15,848,709	285,831
1901	6,113,277	52,863	1,288,424	65,972	7,401,701	118,835	21,530,076	407,282
1904	10,356,052	179,575	1,910,654	92,909	12,266,706	272,484	30,664,853	631,331
1908	23,001,000	239,000	2,082,000	87,000	25,083,000	326,000	45,456,000	645,000
1915	18,765,148	242,754	1,484,238	74,402	20,249,386	317,156	50,343,268	981,807
1920	12,465,342	401,295	1,171,737	164,269	13,637,079	565,564	22,700,053	1,308,508
1925	18,531,994	523,733	1,422,250	157,981	19,954,244	681,714	29,600,605	1,249,497

1 Statistics not available.

NOTE.—The statistics for 1908 in this table are from data published by the Bureau of the Census.

Comparative statistics of the shad and alewife product of Maryland various years, 1880 to 1925

Years	Maryland					Virginia	
	Shad		Alewives		Total	Shad	
	Pounds	*Value*	*Pounds*	*Value*	*Value*	*Pounds*	*Value*
1880	3,774,426	$140,926	9,203,959	$139,667	$280,593	3,171,953	$134,496
1887	4,040,820	146,951	11,062,270	89,273	236,234	3,815,126	172,272
1888	4,868,435	176,655	11,511,774	110,291	286,946	7,056,473	321,634
1890	7,127,486	242,909	19,766,994	143,793	386,702	7,266,207	228,897
1891	6,224,873	211,575	17,418,850	131,245	342,820	6,498,242	207,394
1896	5,541,499	166,551	17,667,315	126,050	292,601	11,170,519	307,055
1897	5,799,563	159,365	17,139,459	123,453	282,818	11,529,474	304,448
1901	3,111,181	120,602	13,747,157	91,308	211,910	6,972,212	366,203
1904	2,912,249	159,772	14,484,970	137,982	297,754	7,419,899	439,625
1908	3,937,000	247,000	28,805,000	157,000	404,000	7,314,000	486,000
1909	3,252,688	272,869	23,637,320	155,499	428,368	6,030,200	488,336
1915	1,454,535	191,517	12,567,580	131,779	323,296	4,714,134	658,010
1920	1,867,196	355,217	7,071,688	177,190	532,407	7,293,805	1,145,106
1921	1,807,074	347,396	6,504,845	144,584	491,980	6,909,176	1,199,594
1925	1,260,152	264,388	7,700,914	84,284	348,672	6,103,704	1,372,491

Years	Virginia—Continued			Grand total			
	Alewives		Total	Shad		Alewives	
	Pounds	*Value*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
1880	6,925,413	$76,300	$210,796	6,946,379	$275,422	16,129,372	$215,967
1887	4,401,635	29,585	201,857	7,855,946	319,223	15,463,905	118,858
1888	6,453,005	40,369	362,003	11,924,908	498,289	17,964,779	150,660
1890	10,641,698	91,674	320,571	14,393,693	471,806	30,408,692	235,467
1891	11,013,485	93,905	301,299	12,723,115	418,969	28,432,335	225,150
1896	12,197,607	63,024	370,079	16,712,018	473,606	29,864,922	189,074
1897	13,689,510	70,841	375,289	17,329,037	463,813	30,828,969	194,294
1901	13,913,444	115,424	481,627	10,083,393	486,805	27,660,601	206,732
1904	14,603,866	90,733	530,358	10,332,148	599,397	29,088,836	228,715
1908	37,885,000	171,000	657,000	11,251,000	733,000	66,690,000	328,000
1909	27,787,980	128,375	616,711	9,282,888	761,205	51,425,300	283,874
1915	16,054,130	165,950	823,960	6,168,669	849,527	28,621,710	297,729
1920	16,665,100	259,258	1,404,364	9,161,001	1,500,323	23,736,788	436,448
1921	18,834,164	245,945	1,445,539	8,716,250	1,546,990	25,339,009	390,529
1925	17,910,247	209,723	1,582,214	7,363,856	1,636,879	25,611,161	294,007

NOTE.—The catch of shad and alewives in these States, outside of the Chesapeake Bay region, is included for some years but is practically negligible. In 1925 it amounted to 4,180 pounds of shad, valued at $647, and 5,247 pounds of alewives, valued at $142, in Maryland and 30,313 pounds of shad, valued at $5,741, and 311,065 pounds of alewives, valued at $3,163, in Virginia, included in the above table.

The statistics for 1908 in this table are from data published by the Bureau of the Census.

Oyster industry of Maryland and Virginia for various years from 1880 to 1925

Years	Maryland			Virginia			Total		
	Bushels	*Pounds*	*Value*	*Bushels*	*Pounds*	*Value*	*Bushels*	*Pounds*	*Value*
1880	10,600,000	74,200,000	$4,730,476	6,837,320	47,861,240	$2,218,376	17,437,320	122,061,240	$6,948,852
1887	8,148,217	57,037,519	2,683,435 [1]	2,921,140	20,447,980	1,002,901	11,069,357	77,485,499	3,686,336
1888	8,531,658	59,721,606	2,877,790	3,664,433	25,651,031	1,336,012	12,196,091	85,372,637	4,213,802
1890	10,450,087	73,150,609	4,854,746	6,074,025	42,518,175	2,482,348	16,524,112	115,668,784	7,337,094
1891	9,945,058	69,615,406	5,295,866	6,162,086	43,134,602	2,524,348	16,107,144	112,750,008	7,820,214
1897	7,254,934	50,784,538	2,885,202	7,023,848	49,166,936	2,041,683	14,278,782	99,951,474	4,926,885
1901	5,685,561	39,798,927	3,031,518	6,067,669	42,473,683	2,621,915	11,753,230	82,272,610	5,653,433
1904	4,429,650	31,007,550	2,417,674	7,612,289	53,286,023	3,459,676	12,041,939	84,293,573	5,877,350
1908	6,232,000	43,624,000	2,228,000	5,075,000	35,525,000	2,348,000	11,307,000	79,149,000	4,576,000
1912	5,510,421	38,572,947	2,127,759	6,206,098	43,442,686	2,286,340	11,716,519	82,015,633	4,414,099
1920	4,547,471	31,832,297	2,291,120	3,963,569	27,744,983	2,348,961	8,511,040	59,577,280	4,640,081
1925	4,252,860	29,770,020	3,256,272	4,356,416	30,494,912	2,765,334	8,609,276	60,264,932	6,021,606

[1] Exclusive of the James and Potomac Rivers.

NOTE.—The statistics for 1908 in this table are from data published by the Bureau of the Census.

MARYLAND

The fisheries of Maryland in 1925 gave employment to 19,725 persons, of whom 1,795 were on vessels fishing, 518 on vessels transporting fishery products, 9,320 in the shore or boat fisheries, and 8,092 on shore in connection with the fisheries, in wholesale establishments, canneries, and other fishery industries.

The investment in the fisheries and fishery industries amounted to $8,053,239 and includes 391 motor and sail fishing vessels valued at $545,750, with a net tonnage of 4,423 tons and outfits valued at $151,430; 242 motor and sail transporting vessels valued at $659,900, with a net tonnage of 5,003 tons and outfits valued at $88,760; 7,406 motor, sail, row, and other boats valued at $1,311,011; fishing apparatus employed on vessels, to the value of $37,156, and on boats, to the value of $503,609; and shore and accessory property valued at $133,975. Additional shore property employed in the wholesale fishery trade and other fishery industries amounted to $2,891,048 in value and cash capital to $1,730,600.

The products of the fisheries amounted to 56,977,985 pounds, with a value to the fishermen of $4,863,419. The principal species, arranged in the order of their value, included oysters, 29,770,020 pounds, or 4,252,860 bushels, valued at $3,256,272; crabs, 9,646,361 pounds, or 28,939,083 in number, valued at $567,783; shad, 1,260,152 pounds, valued at $264,388; striped bass, 1,413,999 pounds, valued at $240,388; squeteagues or "sea trout," 1,480,209 pounds, valued at $88,793; alewives, fresh, salted, and smoked, 7,700,914 pounds, valued at $84,284; and croaker, 2,602,861 pounds, valued at $63,326.

Compared with 1920, there was a decrease of 1,658, or 7.75 per cent, in the number of persons employed in the fisheries and fishery industries of Maryland but an increase of $486,805, or 6.43 per cent, in the investment. There was a decrease in the products of the fisheries of 2,552,810 pounds, or 4.29 per cent, in the quantity, with an increase of $664,751 or 15.83 per cent in the value. There was a small decrease in the value of the products of the canning and other fishery industries amounting to $10,100 or 0.58 per cent.

Fisheries by apparatus.—The vessel fisheries of Maryland in 1925 yielded 6,879,398 pounds of products, valued at $951,678, consisting principally of oysters, taken mostly with dredges. The yield of the shore or boat fisheries amounted to 50,098,587 pounds of products, valued at $3,911,741. The most productive forms of apparatus were tongs and rakes, with a catch of 22,084,416 pounds of oysters and clams, valued at $2,225,706; pound nets, with a catch of 12,519,118 pounds of alewives, butterfish, catfish, croaker, shad, squeteagues, striped bass, white perch, and other species, valued at $478,697; lines, used chiefly in the crab fishery, 6,825,544 pounds, valued at $295,697; haul seines, 2,300,760 pounds, valued at $157,718, the more important species taken being alewives, carp, catfish, croaker, striped bass, and white perch; dip nets, 1,690,250 pounds, valued at $159,155, consisting chiefly of crabs; gill nets, 1,311,820 pounds, valued at $219,616, the more important species being shad, striped bass, and white perch; dredges, 1,264,851 pounds of oysters, valued at $169,293; and crab scrapes, 1,252,140 pounds of crabs, valued at $118,925. The products of the vessel fisheries and of the shore or boat fisheries are shown separately in the following tables:

Yield of the vessel fisheries of Maryland in 1925, by apparatus and species

Species	Oyster dredges		Purse seines		Crab scrapes		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Bluefish			11,750	$980				
Croaker			41,420	2,071				
Spot			3,125	250				
Squeteagues			119,040	11,904				
Striped bass			150,262	27,050			2,000	$300
White perch			3,963	595			2,000	160
Crabs:								
Hard					5,165	$195		
Soft					12,200	1,450		
Oysters, market:								
Public	[1] 6,502,041	$903,423						
Private	26,432	3,300						
Total	6,528,473	906,723	329,560	42,850	17,365	1,645	4,000	460

[1] Includes 21,259 pounds of oysters, valued at $2,100, taken with tongs.

Yield of the shore or boat fisheries of Maryland in 1925, by apparatus and species

Species	Pound nets		Gill nets		Haul seines		Fyke nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives:								
Fresh	7,163,039	$72,285	59,183	$2,014	200,939	$2,984	56,953	$1,219
Salted	198,000	4,477	2,000	100			400	5
Smoked					20,400	1,200		
Black bass	5,909	1,175	1,900	314	15,882	3,110	11,878	2,151
Bluefish	10,912	1,069	26,406	4,484	875	100		
Bonito	6,000	350						
Butterfish	276,575	15,694						
Carp	33,367	2,138	12,856	1,268	125,174	11,079	21,476	1,665
Catfish	173,026	9,862	32,656	1,605	107,419	5,705	161,218	8,767
Croaker	1,456,632	30,957	15,576	969	1,062,175	28,289	4,983	125
Drum:								
Black	24,950	464	200	8				
Red	3,360	87	200	8	600	12		
Eels, fresh	8,019	865	78	9	8,022	905	12,195	1,630
Flounders	94,828	5,858			1,500	138	6,500	640
Gizzard shad	23,475	741			2,550	132	5,000	100
Goldfish					400	20		
Harvest fish	3,700	428						
Hickory shad	18,163	941	1,898	171	500	20		
Hog chokers, salted	23,525	1,379						
King whiting	3,600	424						
Mackerel	9,460	980						
Menhaden	7,000	25						
Mullet	4,435	332	2,976	172	1,625	181	5,473	314
Pigfish	800	24	200	10				
Pike	9,104	1,985	10,871	2,562	22,002	5,415	29,714	6,494
Pompano	250	70						
Scup or porgy	31,000	2,400						
Sea bass	2,400	128						
Shad	704,255	146,550	522,270	111,880	32,027	5,718		
Spanish mackerel	290	65						
Spot	90,479	3,046	46,297	4,075	66,413	3,969		
Squeteagues	1,239,706	65,797	6,725	810	64,378	6,117		
Striped bass	462,993	76,865	399,059	68,276	352,714	59,574	19,437	3,643
Sturgeon	2,000	620	17,225	3,701				
Sturgeon caviar	500	500	2,000	2,000				
Suckers	2,125	85					1,650	70
Sunfish					7,633	307	100	15
Tautog	400	24						
Thimble-eyed mackerel	5,000	100						
Tomcod	800	25						
White perch	243,098	21,098	116,368	12,139	142,545	12,841	119,011	12,345
Whiting	80,000	800						
Yellow perch	52,691	5,434	34,496	3,020	45,737	5,928	98,937	10,997
Other fish	4,720	70						
Crabs:								
Hard	532	40						
Soft					19,190	3,971		
Squid	38,000	2,440						
Turtles			380	21	60	3	18	1
Total	12,519,118	478,697	1,311,820	219,616	2,300,760	157,718	554,943	50,181

Yield of the shore or boat fisheries of Maryland in 1925, by apparatus and species—Continued

Species	Lines		Purse seines		Eel pots and spears		Minor nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Black bass							40	$10
Bluefish	7,800	$1,170						
Bonito	10,300	575						
Carp							5,480	548
Catfish	400	66						
Croaker	19,125	765	2,950	$150				
Eels:								
Fresh	9,900	1,088			159,648	$18,926		
Salted					67,200	8,064		
Flounders	15,200	1,063					50	5
Scup or porgy	14,000	700						
Sea bass	52,300	3,660						
Shad							1,600	240
Spot			2,063	145				
Squeteagues	28,560	2,285	21,800	1,820				
Striped bass			27,444	4,660			90	20
White perch							2,500	100
Crabs:								
Hard	6,599,044	276,698						
Soft	68,340	7,599						
Crawfish							400	40
Shrimp							50	25
Turtles	575	28						
Total	6,825,544	295,697	54,257	6,775	226,848	26,990	10,210	988

Species	Tongs and rakes		Dredges		Dip nets		Crab scrapes	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Crabs:								
Hard					425,525	$15,205	290,850	$11,369
Soft					1,264,225	143,700	961,290	107,556
Shrimp					500	250		
Oysters:								
Market, public	20,913,886	$2,034,464	1,234,751	$165,073				
Market, private	1,049,510	145,027	30,100	4,200				
Seed, public	13,300	765						
Clams, hard	[1] 109,720	46,450						
Terrapin	[2] 1,430	1,000						
Total	22,087,846	2,227,706	1,264,851	169,293	1,690,250	159,155	1,252,140	118,925

[1] Includes 2,000 pounds of hard clams, valued at $1,000, taken by hand.
[2] Taken by hand.

Summary of the yield of the fisheries of Maryland in 1925

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives:						
Fresh	7,480,114	$78,502			7,480,114	$78,502
Salted	200,400	4,582			200,400	4,582
Smoked	20,400	1,200			20,400	1,200
Black bass	35,609	6,760			35,609	6,760
Bluefish	45,993	6,823	11,750	$980	57,743	7,803
Bonito	16,300	925			16,300	925
Butterfish	276,575	15,694			276,575	15,694
Carp	198,353	16,698			198,353	16,698
Catfish	474,719	26,005			474,719	26,005
Croaker	2,561,441	61,255	41,420	2,071	2,602,861	63,326
Drum:						
Black	25,150	472			25,150	472
Red	4,160	107			4,160	107
Eels:						
Fresh	197,862	23,423			197,862	23,423
Salted	67,200	8,064			67,200	8,064
Flounders	118,078	7,704			118,078	7,704
Gizzard shad	31,025	973			31,025	973
Goldfish	400	20			400	20
Harvest fish	3,700	428			3,700	428
Hickory shad	20,561	1,132			20,561	1,132
Hog-chokers, salted	23,525	1,379			23,525	1,379
King whiting	3,600	424			3,600	424
Mackerel	9,460	980			9,460	980

Summary of the yield of the fisheries of Maryland in 1925—Continued

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Menhaden	7,000	$25			7,000	$25
Mullet	14,509	999			14,509	999
Pigfish	1,000	34			1,000	34
Pike	71,691	16,456			71,691	16,456
Pompano	250	70			250	70
Scup or porgy	45,000	3,100			45,000	3,100
Sea bass	54,700	3,788			54,700	3,788
Shad	1,260,152	264,388			1,260,152	264,388
Spanish mackerel	290	65			290	65
Spot	205,252	11,235	3,125	$250	208,377	11,485
Squeteagues	1,361,169	76,829	119,040	11,904	1,480,209	88,733
Striped bass	1,261,737	213,038	152,262	27,350	1,413,999	240,388
Sturgeon	19,225	4,321			19,225	4,321
Sturgeon caviar	2,500	2,500			2,500	2,500
Suckers	3,775	155			3,775	155
Sunfish	7,733	322			7,733	322
Tautog	400	24			400	24
Thimble-eyed mackerel	5,000	100			5,000	100
Tomcod	800	25			800	25
White perch	623,522	58,523	5,963	755	629,485	59,278
Whiting	80,000	800			80,000	800
Yellow perch	231,861	25,379			231,861	25,379
Other fish	4,720	70			4,720	70
Crabs:						
Hard	7,315,951	303,312	5,165	195	7,321,116	303,507
Soft	2,313,045	262,826	12,200	1,450	2,325,245	264,276
Crawfish	400	40			400	40
Shrimp	550	275			550	275
Squid	38,000	2,440			38,000	2,440
Clams, hard, public	109,720	46,450			109,720	46,450
Oysters:						
Market, public	22,148,637	2,199,537	6,502,041	903,423	28,650,678	3,102,960
Market, private	1,079,610	149,247	26,432	3,300	1,106,042	152,547
Seed, public	13,300	765			13,300	765
Terrapin	1,430	1,000			1,430	1,000
Turtles	1,033	53			1,033	53
Total	50,098,587	3,911,741	6,879,398	951,678	56,977,985	4,863,419

Summary by counties

Counties	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Anne Arundel	1,258	351,008	3,633,839	$300,128
Baltimore	2,168	2,776,387	1,118,321	134,921
Calvert	657	121,727	1,761,169	172,038
Caroline	60	7,877	130,683	14,563
Cecil	159	74,437	1,410,119	60,226
Charles	545	75,620	1,051,951	102,369
Dorchester	4,057	1,352,132	10,952,248	1,104,098
Harford	213	54,569	432,480	25,411
Kent	774	218,815	4,211,307	338,428
Prince Georges	31	2,803	58,985	5,723
Queen Annes	1,058	196,241	5,757,415	427,041
St. Marys	1,123	191,600	3,680,596	294,720
Somerset	4,471	1,792,897	8,111,844	848,019
Talbot	1,983	610,231	8,989,328	630,641
Wicomico	605	108,470	1,676,042	175,124
Worcester	563	118,425	4,001,658	229,969
Total	19,725	8,053,239	56,977,985	4,863,419

Salt-fish industry.—Alewives are the only species of importance salted in Maryland, the output in 1925 amounting to 2,677,490 pounds, valued at $48,412. The number of firms engaged was as follows: In Talbot County, 4; in Harford, Anne Arundel, Cecil, and Dorchester Counties, 1 each.

Canning industry.—The pack of fishery products in cans in Maryland in 1925 amounted to 122,281 cases, valued at $764,691, of which

104,379 cases, valued at $703,869, were canned oysters. The remainder of the pack consisted of 3,186 cases of canned alewives, valued at $5,728, and 14,716 cases of canned alewife roe, valued at $55,094. Of the total pack of canned products, 89,999 cases, consisting of canned oysters, are credited to Baltimore City.

By-products.—The most important source of by-products in Maryland is the oyster-shell crushing industry, which in 1925 yielded 63,709 tons of poultry grit, valued at $643,889, and 27,488 tons of lime, valued at $76,747. The greater part of this industry is in Baltimore. In addition, there were produced 360 tons of dry scrap, valued at $7,150, and fish oil to the value of $1,200.

Wholesale trade.—In 1925 there were 316 wholesale fishery establishments in Maryland valued at $1,803,845, with a cash capital amounting to $1,122,700 and employing 6,312 persons, to whom were paid $1,662,282 in wages.

The important features of each of the above fishery industries are shown in the following tables:

Quantity and value of fishery products prepared in Maryland in 1925

Items	Baltimore City		Remainder of State		Total	
PRODUCTS CANNED						
Oysters:	*Number*	*Value*	*Number*	*Value*	*Number*	*Value*
4-ounce (4 dozen to case) [1]----cases	12,944	$74,504	223	$367	13,167	$74,871
5-ounce (4 dozen to case)----do	45,215	289,705	11,809	71,702	57,024	361,407
6-ounce (4 dozen to case)----do	12,008	119,434	2,023	19,381	14,031	138,815
8-ounce (2 dozen to case)----do	3,902	22,370			3,902	22,370
10-ounce (2 dozen to case)----do	14,872	94,592	300	1,940	15,172	96,532
12-ounce (2 dozen to case)----do	1,058	9,611	25	263	1,083	9,874
Total----do	89,999	610,216	14,380	93,653	104,379	703,869
Alewives:						
18-ounce (2 dozen to case) [2]----do			3,186	5,728	3,186	5,728
Alewife roe:						
10-ounce (4 dozen to case)----do			6,800	29,920	6,800	29,920
18-ounce (2 dozen to case) [3]----do			7,916	25,174	7,916	25,174
Total----do			14,716	55,094	14,716	55,094
PRODUCTS SALTED						
Alewives----pounds			2,677,490	48,412	2,677,490	48,412
Grand total		610,216		202,887		813,103

[1] Includes a few cases packed in 3-ounce cans, reduced to the equivalent of 4-ounce cans.
[2] Includes some cases packed in 10-ounce cans, reduced to the equivalent of 18-ounce cans.
[3] Includes some cases packed in 19-ounce cans, reduced to the equivalent of 18-ounce cans.

NOTE.—In addition to the above products, 586,870 pounds of fish, valued at $200,360, were smoked by 3 firms in the State, the greater part of which were from the Great Lakes and the Pacific coast.

Quantity and value of by-products manufactured from fishery products in Baltimore City and various counties in Maryland in 1925

By-products	Baltimore City		Anne Arundel and Dorchester Counties		Somerset and Talbot Counties		Total	
Ground oyster shells:	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*	*Tons*	*Value*
Poultry grit	36,145	$374,214	4,175	$45,925	23,389	$223,750	63,709	$643,889
Lime	14,685	39,169	2,412	12,410	10,391	25,168	27,488	76,747
Dry scrap and oil (from waste fish and crab shells)						7,666		7,666
Total		413,383		58,335		256,584		728,302

Investment, persons engaged, and wages paid in the wholesale trade of fresh fishery products in Maryland in 1925, by localities

Localities	Establishments		Cash capital	Number of persons engaged	Wages paid
	Number	Value			
Annapolis and Eastport	4	$57,100	$4,800	118	$16,500
Galloways and Mayo	3	6,200	1,700	38	6,425
Nutwell and Shady Side	3	7,650	1,800	36	7,100
Baltimore	69	829,120	681,200	1,071	705,140
Solomons and Broomes Island	6	20,525	3,800	98	13,800
Perryville and Northeast	3	4,100	2,500	12	4,348
Benedict and Rock Point	4	5,300	2,900	71	9,750
Bishops Head, Crocheron, and Elliott	3	6,300	11,200	106	18,048
Cambridge	17	158,200	155,950	874	182,913
Hoopers Island	7	32,350	23,500	372	39,863
Hudson, Honga, and Secretary	3	11,200	10,000	95	27,120
Wingate and Toddville	6	24,500	20,500	255	28,379
Chestertown	3	500	900	15	3,000
Rock Hall	9	3,600	3,900	58	12,111
Chester	17	42,575	28,550	260	67,290
Blakistone, Compton, and Ridge	4	4,100	2,100	52	8,450
Crisfield	83	416,050	71,500	1,660	318,086
Deal Island, Chance, and Wenona	12	34,300	16,200	224	48,136
Inverness and Rumbley	4	5,100	2,900	52	11,800
Mount Vernon and Marion Station	5	34,650	10,100	169	38,300
Smith Island	25	10,800	13,400	108	8,150
Oxford, Neavitt, and Newcomb	6	24,575	11,000	142	17,638
St. Michaels and Claiborne	3	29,500	11,000	145	27,692
Tilghman Island	6	20,650	18,200	155	26,725
Salisbury, Bivalve, and Nanticoke	4	12,300	9,800	109	14,918
Girdletree	3	1,500	1,700	10	350
Ocean City and Newark	4	1,100	1,600	7	250
Total	316	1,803,845	1,122,700	6,312	1,662,282

VIRGINIA

The number of persons engaged in the fisheries and related industries of Virginia in 1925 was 19,366, of whom 2,005 were on fishing vessels, 467 on vessels transporting fishery products, 11,673 in the shore or boat fisheries, and 5,221 engaged as shoremen connected with the fisheries and in the wholesale fishery trade, canning, and other fishery industries.

The amount of capital invested in the fisheries and fishery industries was $11,269,605 and included 464 fishing and transporting vessels valued at $3,313,112, with a net tonnage of 9,577 tons and outfits valued at $391,779; 9,615 boats valued at $1,497,215; fishing apparatus with a value of $1,607,290; shore and accessory property to the value of $3,424,709; and cash capital amounting to $1,035,500.

The products of the fisheries amounted to 276,227,784 pounds, valued at $9,084,641. The principal species, arranged in the order of their value, were as follows: Oysters, 30,494,912 pounds, or 4,356,416 bushels, valued at $2,765,334; menhaden, 150,485,623 pounds, valued at $1,434,681; shad, 6,103,704 pounds, valued at $1,372,491; crabs, 19,945,244 pounds, valued at $681,714; croaker, 22,649,295 pounds, valued at $648,090; squeteagues, 12,444,450 pounds, valued at $579,563; clams, 1,080,552 pounds, valued at $422,334; butterfish, 5,836,357 pounds, valued at $252,298; and alewives, 17,910,247 pounds, valued at $209,723.

Compared with 1920, there was a decrease of 12 in the number of persons engaged in the fisheries and fishery industries and an increase of $560,106, or 5.23 per cent, in the investment. The products of the fisheries showed a decrease of 194,991,305 pounds, or 41.38 per cent,

in the quantity but an increase of $542,917, or 6.36 per cent, in the value. There was a decrease in the value of the products of the canning and other fishery industries amounting to $1,376,521, or 30.10 per cent.

Fisheries by apparatus.—The products of the vessel fisheries of Virginia in 1925 amounted to 159,439,533 pounds, valued at $2,138,127, consisting chiefly of menhaden taken with purse seines, 146,008,200 pounds, valued at $1,416,422; oysters taken with dredges and tongs, 7,505,033 pounds, or 1,072,148 bushels, valued at $624,881; and crabs taken with dredges, 3,345,587 pounds, valued at $115,595. In the shore or boat fisheries the most productive form of apparatus used is the pound net, the catch amounting to 66,244,102 pounds, valued at $2,959,881. The species taken in the largest quantities with pound nets were alewives, croaker, squeteagues or "sea trout," butterfish, shad, and menhaden. Tongs, nippers, rakes, forks, and clam picks or hoes, used chiefly in taking oysters, yielded a catch of 24,035,361 pounds, valued at $2,400,112. The catch with lines, consisting principally of hard crabs, amounted to 15,138,799 pounds, valued at $424,086. Gill nets took 3,463,948 pounds, valued at $338,951, the principal species being croaker and shad. The catch with haul seines amounted to 3,977,704 pounds, valued at $190,503, the principal species being croaker, spot, squeteagues or "sea trout," and carp. Dredges took 1,658,043 pounds, valued at $171,819; dip nets, 790,215 pounds, valued at $83,746; fyke nets, 1,243,694 pounds, valued at $83,499; crab scrapes, 482,124 pounds, valued at $45,141; pots, 183,115 pounds, valued at $13,305; slat traps, 318,310 pounds, valued at $8,612; stop nets, 83,000 pounds, valued at $8,240; otter trawls, 51,000 pounds, valued at $2,500; spears, 15,000 pounds, valued at $1,880; and purse seines, 264,404 pounds, valued at $1,311. The products of the vessel and shore fisheries are shown separately in the following tables:

Yield of the vessel fisheries of Virginia in 1925, by apparatus and species

Species	Purse seines		Otter trawls	
	Pounds	*Value*	*Pounds*	*Value*
Croaker			1,492,000	$59,680
Flounders			152,000	12,160
Haddock			2,000	80
King whiting			17,750	1,775
Menhaden	146,008,200	$1,416,422		
Scup or porgy			14,000	700
Sea bass			18,000	2,230
Spot			30,000	2,270
Squeteagues			22,400	1,690
Total	146,008,200	1,416,422	1,748,150	80,585

Species	Dredges		Tongs	
	Pounds	*Value*	*Pounds*	*Value*
Crabs, hard	3,339,187	$113,145		
Clams, hard	6,400	2,450	2,000	$692
Oysters, market:				
Public	651,420	78,624	9,100	970
Private	3,488,926	428,016	5,600	184
Scallops	2,400	800		
Total	7,488,333	623,035	16,700	1,846

Yield of the vessel fisheries of Virginia in 1925, by apparatus and species—Con.

Species	Clam picks or hoes		By hand	
	Pounds	*Value*	*Pounds*	*Value*
Clams, hard	19,120	$7,533	8,880	$3,475
Oysters, seed, public			150,150	5,231
Total	19,120	7,533	159,030	8,706

Yield of the shore or boat fisheries of Virginia in 1925, by apparatus and species

Species	Pound nets		Gill nets		Haul seines		Fyke nets	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives:								
Fresh	17,313,300	$195,952	98,000	$2,675	79,097	$2,143	136,250	$2,683
Salted	23,600	770						
Angelfish	2,730	172						
Black bass					57,218	7,724	200	10
Bluefish	74,468	10,064	15,475	1,887	18,256	2,616		
Bonito	288,110	15,891						
Bowfin					24,695	745	80	8
Butterfish	5,834,085	252,178	200	8	1,705	90	367	22
Carp	9,115	638	150	23	315,326	17,664	50,978	4,047
Catfish	119,040	9,306			120,825	6,911	181,240	10,362
Cobia or coalfish	3,260	265						
Cod	17,000	406						
Crevalle	700,445	25,326			1,000	50		
Croaker	16,945,456	489,837	1,704,373	42,922	1,568,158	30,351	413,008	8,084
Drum:								
Black	226,630	3,504			1,000	20	550	5
Red	120,190	2,113			4,200	108		
Eels	69,497	9,766			3,150	366	11,411	1,151
Flounders	370,280	22,098	200	8	10,985	574	19,592	1,471
Gizzard shad	46,844	1,532			250,109	6,051	53,330	1,202
Goldfish					1,150	57	1,450	72
Hake	11,800	232						
Harvest fish	42,325	1,488						
Hickory shad	186,961	9,458	5,000	250	11,566	406	2,000	40
King whiting	81,553	5,539	300	25	13,820	665		
Mackerel	11,840	1,234						
Menhaden	4,213,019	16,948						
Mullet	6,900	436	100,384	6,832	13,165	798	1,623	95
Pigfish	39,471	2,248	1,050	67	73,931	3,509	699	38
Pike	600	120	1,050	210	12,288	1,854	3,917	799
Pinfish	200	10			1,200	120		
Pompano	4,084	903			500	100		
Scup or porgy	387,574	27,158						
Sea bass	12,215	1,048						
Sea robin	50,000	71						
Shad	4,996,559	1,109,648	1,043,337	247,658	10,738	2,755	53,010	12,417
Sharks	17,154	1,021						
Sheepshead	122	17						
Skates	23,600	148						
Spanish mackerel	118,974	15,482	2,000	100	6,471	1,097		
Spot	799,654	37,198	228,329	10,045	662,694	35,979	7,479	440
Squeteagues	11,790,230	539,982	159,010	7,004	381,871	25,269	19,699	1,275
Striped bass	475,686	84,466	68,930	13,103	175,698	32,295	99,795	20,923
Sturgeon	60,527	14,790	4,200	1,065	1,250	312		
Sturgeon caviar and roe	4,585	4,984	750	750	18	18		
Suckers					870	48	3,043	186
Sunfish	400	20						
Swellfish	35,000	49						
Tautog	2,870	225						
Thimble-eyed mackerel	13,700	428						
Tomcod	17,400	420						
Tripletail	25	4						
Tuna	320	17						
White perch	115,384	9,189	27,960	3,239	123,338	7,722	142,543	13,609
Whiting	33,600	716						
Yellow perch	6,845	692			31,412	2,086	41,430	4,560
Other fish	350	18						
Crabs:								
Hard			1,250	80				
Soft			2,000	1,000				
Squid	415,825	23,607						
Turtles	2,700	49						
Alewife scales	100,000	10,000						
Total	66,244,102	2,959,881	3,463,948	338,951	3,977,704	190,503	1,243,694	83,499

Yield of the shore or boat fisheries of Virginia in 1925, by apparatus and species—Continued

Species	Lines		Stop nets		Otter trawls		Purse seines	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Angelfish	1,320	$53						
Bluefish	49,059	4,291						
Carp			83,000	$8,240				
Croaker	486,300	15,616			40,000	$1,600		
Drum, red	1,000	22						
Flounders	18,760	791			10,000	800		
King whiting	9,415	915						
Menhaden							264,404	$1,311
Pigfish	25,648	1,696						
Scup or porgy	700	70						
Sea bass	20,125	1,190			1,000	100		
Spot	40,050	2,158						
Squeteagues	71,240	4,343						
Striped bass	1,200	240						
White perch	6,450	563						
Other fish	300	30						
Crabs:								
Hard	14,393,397	390,863						
Soft	13,835	1,245						
Total	15,138,799	424,086	83,000	8,240	51,000	2,500	264,404	1,311

Species	Dip nets		Pots, eel, etc.		Slat traps		Spears	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives, fresh					260,000	$5,500		
Carp					3,850	385		
Catfish			105,425	$5,088	7,800	390		
Eels			77,690	8,217	5,200	520	15,000	$1,880
Hickory shad					29,600	880		
Shad					60	13		
Suckers					200	16		
White perch					11,600	908		
Crabs:								
Hard	93,500	$1,953						
Soft	696,715	81,793						
Total	790,215	83,746	183,115	13,305	318,310	8,612	15,000	1,880

Species	Dredges		Tongs, nippers, rakes, forks, clam picks, and hoes		By hand		Crab scrapes	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Crabs:								
Hard	659,960	$16,771					44,700	$921
Soft					272,276	$29,723	437,424	44,220
Oysters, market:								
Public	196,525	22,250	8,478,274	$920,266	211,008	14,390		
Private	466,200	64,995	5,862,094	788,209	1,196,146	86,541		
Oysters, seed:								
Public			8,718,619	320,125	981,400	33,015		
Private			22,750	1,138	56,700	1,380		
Scallops	335,358	67,803	1,200	350	21,774	5,319		
Clams, hard:								
Public			927,216	352,848	84,928	33,910		
Private			25,208	17,176	6,800	4,250		
Terrapin					8,400	4,400		
Total	1,658,043	171,819	24,035,361	2,400,112	2,839,432	212,928	482,124	45,141

Summary of the yield of the fisheries of Virginia in 1925

Species	Shore fisheries		Vessel fisheries		Total	
	Pounds	*Value*	*Pounds*	*Value*	*Pounds*	*Value*
Alewives:						
Fresh	17,886,647	$208,953			17,886,647	$208,953
Salted	23,600	770			23,600	770
Angelfish	4,050	225			4,050	225
Black bass	57,418	7,734			57,418	7,734
Bluefish	157,258	18,858			157,258	18,858
Bonito	288,110	15,891			288,110	15,891
Bowfin	24,775	753			24,775	753
Butterfish	5,836,357	252,298			5,836,357	252,298
Carp	462,419	30,997			462,419	30,997
Catfish	534,330	32,057			534,330	32,057
Cobia or coalfish	3,260	265			3,260	265
Cod	17,000	406			17,000	406
Crevalle	701,445	25,376			701,445	25,376
Croaker	21,157,295	588,410	1,492,000	$59,680	22,649,295	648,090
Drum:						
Black	228,180	3,529			228,180	3,529
Red	125,390	2,243			125,390	2,243
Eels	181,948	21,900			181,948	21,900
Flounders	429,817	25,742	152,000	12,160	581,817	37,902
Gizzard shad	350,283	8,785			350,283	8,785
Goldfish	2,600	129			2,600	129
Haddock			2,000	80	2,000	80
Hake	11,800	232			11,800	232
Harvest fish	42,325	1,488			42,325	1,488
Hickory shad	235,127	11,034			235,127	11,034
King whiting	105,088	7,144	17,750	1,775	122,838	8,919
Mackerel	11,840	1,234			11,840	1,234
Menhaden	4,477,423	18,259	146,008,200	1,416,422	150,485,623	1,434,681
Mullet	122,072	8,161			122,072	8,161
Pigfish	140,799	7,558			140,799	7,558
Pike	17,855	2,983			17,855	2,983
Pinfish	1,400	130			1,400	130
Pompano	4,584	1,003			4,584	1,003
Scup and porgy	388,274	27,228	14,000	700	402,274	27,928
Sea bass	33,340	2,338	18,000	2,230	51,340	4,568
Sea robin	50,000	71			50,000	71
Shad	6,103,704	1,372,491			6,103,704	1,372,491
Sharks	17,154	1,021			17,154	1,021
Sheepshead	122	17			122	17
Skates	23,600	148			23,600	148
Spanish mackerel	127,445	16,679			127,445	16,679
Spot	1,738,206	85,820	30,000	2,270	1,768,206	88,090
Squeteagues	12,422,050	577,873	22,400	1,690	12,444,450	579,563
Striped bass	821,309	151,027			821,309	151,027
Sturgeon	65,977	16,167			65,977	16,167
Sturgeon caviar and roe	5,353	5,752			5,353	5,752
Suckers	4,113	250			4,113	250
Sunfish	400	20			400	20
Swellfish	35,000	49			35,000	49
Tautog	2,870	225			2,870	225
Thimble-eyed mackerel	13,700	428			13,700	428
Tomcod	17,400	420			17,400	420
Tripletail	25	4			25	4
Tuna	320	17			320	17
White perch	427,275	35,230			427,275	35,230
Whiting	33,600	716			33,600	716
Yellow perch	79,687	7,338			79,687	7,338
Other fish	650	48			650	48
Crabs:						
Hard	15,192,807	410,588	3,339,187	113,145	18,531,994	523,733
Soft	1,422,250	157,981			1,422,250	157,981
Clams, hard:						
Public	1,012,144	386,758	36,400	14,150	1,048,544	400,908
Private	32,008	21,426			32,008	21,426
Squid	415,825	23,607			415,825	23,607
Oysters, market:						
Public	8,885,807	956,906	660,520	79,594	9,546,327	1,036,500
Private	7,524,440	939,745	3,494,526	428,200	11,013,366	1,367,761
Oysters, seed:						
Public	9,700,019	353,140	150,150	5,231	9,855,769	358,555
Private	79,450	2,518			79,450	2,518
Scallops	358,332	73,472	2,400	800	360,732	74,272
Terrapin	8,400	4,400			8,400	4,400
Turtles	2,700	49			2,700	49
Alewife scales	100,000	10,000			100,000	10,000
Total	120,788,251	6,946,514	159,439,533	2,138,127	276,227,784	9,084,641

Summary by counties

Counties	Persons engaged	Investment	Products	
	Number	*Dollars*	*Pounds*	*Value*
Accomac	3,175	1,412,182	41,275,492	$1,651,491
Arlington	66	70,390	30,591	4,943
Caroline	9	425	6,350	625
Charles City	237	13,325	242,018	42,080
Chesterfield	22	655	33,000	4,675
Dinwiddie	8	270	27,350	1,125
Elizabeth City	1,143	1,077,279	15,205,633	953,161
Essex	184	21,592	336,394	40,083
Fairfax	69	12,304	108,417	15,275
Gloucester	953	204,153	9,343,417	527,096
Henrico	21	1,945	277,000	7,776
Isle of Wight	387	89,340	2,856,827	192,987
James City	126	25,060	702,189	92,492
King and Queen	67	6,452	288,680	29,122
King George	113	28,314	457,260	38,725
King William	204	185,990	547,991	59,594
Lancaster	2,381	1,719,272	47,317,013	764,769
Mathews	1,125	555,945	12,557,881	873,593
Middlesex	1,175	170,606	2,369,675	209,956
Nansemond	210	63,637	2,002,891	149,492
New Kent	71	5,850	187,336	21,060
Norfolk	1,354	1,090,295	4,484,511	293,160
Northampton	1,216	506,163	12,705,068	567,777
Northumberland	2,560	3,255,096	101,096,696	1,337,725
Prince George	64	7,700	220,130	20,343
Princess Anne	312	59,788	2,221,618	134,589
Prince William	46	10,546	113,525	14,424
Richmond	203	42,560	474,363	56,279
Spotsylvania	14	335	45,450	1,203
Stafford	79	17,817	209,930	20,369
Surry	61	12,853	274,268	28,269
Warwick	387	86,855	3,113,458	191,565
Westmoreland	458	92,755	1,616,816	107,319
York	866	421,856	13,478,546	631,499
Total	19,366	11,269,605	276,227,784	9,084,641

Wholesale fishery trade.—In 1925 there were 218 establishments engaged in the wholesale fishery trade in Virginia, valued at $937,060, using a cash or working capital amounting to $395,600, and employing 3,359 persons, to whom $917,263 were paid in wages.

Menhaden industry.—There were 15 menhaden factories operated in Virginia in 1925, valued at $1,399,729, as compared with 18 factories, valued at $1,727,063, in 1920, and the cash or working capital used amounted to $326,000. The number of persons engaged in the factories was 598, to whom $225,199 was paid in wages. The number of vessels operated in 1925 was 43, valued at $2,324,912, with a net tonnage of 5,088 tons and outfits valued at $260,345. The apparatus used on vessels, consisting of purse seines, was valued at $78,200. There were also 126 accessory gasoline boats employed, valued at $34,600. The number of persons employed on vessels was 1,466. The number of menhaden utilized in the factories was 248,847,550, valued at $1,423,612, as compared with 536,879,567, valued at $2,192,837 in 1920. The manufactured products included 18,247 tons of dry scrap and fish meal, valued at $950,739, and 2,669,074 gallons of oil, valued at $1,330,799, as compared with 40,212 tons of dry scrap and fish meal, valued at $3,035,169, and 2,053,363 gallons of oil, valued at $546,198, in 1920.

Miscellaneous industries.—In 1925 there were canned 5,669 cases of alewives, valued at $9,317; 53,252 cases of alewife roe, valued at $178,421; and 6,093 cases of other fishery products, valued at $48,823. There were salted 6,206,748 pounds of alewives, valued at $158,768.

The by-products industry produced 1,308 tons of dry scrap and fish meal, valued at $50,997; 32,389 gallons of fish oil, valued at $13,876; 24,872 tons of poultry grit, valued at $264,705; and 27,133 tons of lime, valued at $188,474. The poultry grit and lime were prepared from oyster shells.

The detailed statistics of the industries above referred to are given in the following tables:

Investment, persons engaged, and wages paid in the wholesale trade in fresh fishery products in Virginia in 1925, by localities

Localities	Establishments		Cash capital	Number of persons engaged	Wages paid
	Number	Value			
Accomac, Atlantic, and Belinda	3	$13,350	$2,700	62	$7,600
Chincoteague Island	25	45,550	26,100	235	47,620
Franklin City, Greenbackville, and Sinnickson	12	11,250	7,000	74	13,140
Guilford, Hacksneck, and Hopkins	3	1,150	1,400	8	450
Onancock and vicinity	8	6,000	6,300	22	2,850
Quinby	4	3,900	1,800	54	3,900
Sanford	5	4,650	3,100	71	5,900
Saxis	9	4,650	5,900	69	10,075
Tangier	20	11,100	11,500	52	7,975
Wachapreague	3	5,500	3,600	84	13,550
Hampton and Phoebus	14	294,700	67,900	456	139,509
Bertrand and Irvington	4	13,110	3,900	67	11,750
Millenbeck and Merry Point	7	15,200	4,100	107	19,250
Morattico, Mollusk, and Monaskon	7	15,700	3,600	156	22,750
Weems and White Stone	12	5,600	5,200	123	28,702
Urbanna, Remlik, and Water View	5	13,000	7,700	135	26,160
Norfolk	13	264,700	140,000	613	326,199
Portsmouth	5	94,750	38,000	195	77,372
Bayford and Broadwater	5	4,900	2,600	49	7,500
Cape Charles	5	4,400	1,400	35	6,360
Capeville and Magotha	4	3,300	2,300	35	5,175
Cheriton and Oyster	4	8,700	3,200	60	14,800
Willis Wharf	7	41,300	11,700	186	31,560
Blackwells and Mila	4	4,750	1,650	46	5,950
Cowart, Lewisetta, and Lilian	3	2,900	2,000	44	5,623
Sampsons Wharf and Tipers	5	2,700	1,400	31	3,100
Sharps and Simonson	4	8,650	1,800	76	14,400
Newport News	3	5,300	4,100	33	11,843
Messick, Odd, and Yorktown	4	7,000	13,000	32	13,810
Miscellaneous localities	11	19,300	10,650	149	32,390
Total	218	937,060	395,600	3,359	917,263

The menhaden industry of Virginia in 1925

Items	Number	Value	Items	Number	Value
Factories	15	$1,399,729	Steam vessels, fishing	42	$2,264,912
Cash capital		326,000	Tonnage	4,956	
Wages paid factory employees		225,199	Outfit		253,933
Persons in factories	598		Gasoline vessels, fishing	1	60,000
Persons on vessels	1,466		Tonnge	132	
Menhaden utilized	248,847,550	1,423,612	Outfit		6,412
Products:			Accessory gasoline boats	126	34,600
Dry scrap, tons	14,792	742,542	Apparatus on vessels:		
Fish meal, do	3,455	208,197	Purse seins (total length 12,612 yards)	42	78,200
Oil, gallons	2,669,074	1,330,799			

Quantity and value of canned and salted fishery products and by-products manufactured in Virginia in 1925

Items	Number	Value	Items	Number	Value
Canned:					
Alewives, 15-ounce (2 dozen to case) [1]----cases	5,668	$9,317	Salted: Alewives----pounds	6,206,748	$158,768
Alewife roe—			By-products:		
15-ounce (2 dozen to case) [2]----cases	46,366	154,290	Dry scrap and fish meal----tons	1,308	50,977
18-ounce (2 dozen to case)----cases	6,886	24,131	Fish oil----gallons	32,389	13,876
Total----do	53,252	178,421	Poultry grit----tons	24,872	264,705
			Lime----do	27,133	188,474
			Total----		518,032
Other products----do	6,093	48,823	Grand total----		913,361
Total----do	65,013	236,561			

[1] Includes a few cases packed in 18-ounce cans reduced to the equivalent of 15-ounce cans.
[2] Includes some cases packed in 7½, 10, and 17 ounce cans reduced to the equivalent of 15-ounce cans.